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%XS	YS	ZS	X0	Y0	Z0	X1	Y1	Z1	DV	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																					
0096062	0100000	0106783	0009468	0008220	0008673	0009548	0008300	0008703	0001000	00249	00249	00224	00386	00191	02066	12000350	(30WNA_60)	35	14	0	%
0096062	0100000	0106783	0004185	0004330	0001155	0004234	0004370	0001165	0001000	00219	00219	00172	00230	00172	01474	12000351	(30WNA_60)	25	0	26	%
0096062	0100000	0106783	0018628	0016840	0025613	0018738	0016939	0025674	0001000	00175	00175	00153	00174	00152	01489	12000352	(30WNA_60)	48	13	-14	%
0096062	0100000	0106783	0048822	0043405	0069487	0049073	0043635	0069627	0001000	00216	00216	00178	00164	00149	01481	12000353	(30WNA_60)	72	20	-22	%
0096062	0100000	0106783	0010035	0009125	0006530	0010125	0009195	0006550	0001000	00237	00237	00176	00186	00169	01568	12000354	(30WNA_60)	36	10	11	%
0096062	0100000	0106783	0014667	0020715	0048732	0014738	0020865	0048894	0001000	00348	00348	00241	00211	00217	01913	12000355	(30WNA_60)	53	-29	-36	%
0096062	0100000	0106783	0021922	0023090	0023131	0022042	0023210	0023181	0001000	00178	00178	00170	00185	00167	01287	12000356	(30WNA_60)	55	-1	3	%
0096062	0100000	0106783	0004846	0003140	0003250	0004916	0003180	0003270	0001000	00298	00298	00205	00316	00170	01823	12000357	(30WNA_60)	21	27	1	%
0096062	0100000	0106783	0029903	0031355	0044104	0030063	0031525	0044196	0001000	00200	00200	00168	00143	00150	01457	12000358	(30WNA_60)	63	-1	-13	%
0096062	0100000	0106783	0022112	0017580	0036247	0022232	0017679	0036327	0001000	00166	00166	00138	00135	00140	01488	12000359	(30WNA_60)	49	26	-27	%
0096062	0100000	0106783	0030078	0028500	0023117	0030258	0028660	0023167	0001000	00221	00221	00177	00178	00164	01381	12000360	(30WNA_60)	60	11	12	%
0096062	0100000	0106783	0006034	0004430	0001434	0006104	0004470	0001444	0001000	00281	00281	00169	00225	00152	01450	12000361	(30WNA_60)	25	22	23	%
0096062	0100000	0106783	0008343	0010175	0015186	0008393	0010245	0015226	0001000	00196	00196	00174	00179	00164	01585	12000362	(30WNA_60)	38	-12	-11	%
0096062	0100000	0106783	0070396	0075079	0074422	0070757	0075460	0074574	0001000	00256	00256	00237	00233	00190	01359	12000363	(30WNA_60)	90	-4	5	%
0096062	0100000	0106783	0026691	0031564	0033710	0026821	0031715	0033770	0001000	00183	00183	00167	00151	00147	01244	12000364	(30WNA_60)	63	-14	0	%
0096062	0100000	0106783	0042929	0044875	0074527	0043108	0045065	0074657	0001000	00168	00168	00136	00100	00108	01176	12000365	(30WNA_60)	73	-1	-24	%
0096062	0100000	0106783	0019762	0017970	0013209	0019882	0018070	0013230	0001000	00211	00211	00157	00168	00158	01306	12000366	(30WNA_60)	50	13	13	%
0096062	0100000	0106783	0045337	0041640	0028592	0045577	0041840	0028643	0001000	00231	00231	00163	00136	00138	01204	12000367	(30WNA_60)	71	16	21	%
0096062	0100000	0106783	0024011	0028045	0038209	0024142	0028195	0038289	0001000	00190	00190	00167	00145	00151	01414	12000368	(30WNA_60)	60	-12	-11	%
0096062	0100000	0106783	0004166	0005985	0013566	0004196	0006035	0013617	0001000	00198	00198	00164	00176	00134	01683	12000369	(30WNA_60)	29	-20	-22	%
0096062	0100000	0106783	0007555	0016084	0005290	0007605	0016174	0005310	0001000	00164	00164	00125	00105	00120	01225	12000370	(30WNA_60)	47	-58	35	%
0096062	0100000	0106783	0039720	0050555	0054826	0039919	0050805	0054935	0001000	00220	00220	00189	00144	00155	01328	12000371	(30WNA_60)	76	-26	-1	%
0096062	0100000	0106783	0030677	0032244	0024914	0030847	0032395	0024955	0001000	00215	00215	00174	00193	00189	01172	12000372	(30WNA_60)	64	-1	14	%
0096062	0100000	0106783	0022574	0018015	0008372	0022703	0018105	0008382	0001000	00222	00222	00130	00122	00130	01141	12000373	(30WNA_60)	50	26	27	%
0096062	0100000	0106783	0014960	0018090	0027131	0015070	0018230	0027221	0001000	00235	00235	00209	00188	00206	01934	12000374	(30WNA_60)	50	-14	-13	%
0096062	0100000	0106783	0033880	0042745	0069356	0034020	0042935	0069485	0001000	00187	00187	00157	00119	00125	01226	12000375	(30WNA_60)	71	-23	-22	%
0096062	0100000	0106783	0008553	0010340	0007480	0008623	0010420	0007500	0001000	00218	00218	00183	00193	00163	01622	12000376	(30WNA_60)	39	-11	12	%
0096062	0100000	0106783	0053231	0059325	0005661	0053561	0059655	0005671	0001000	00330	00330	00191	00142	00141	01374	12000377	(30WNA_60)	82	-9	93	%
0096062	0100000	0106783	0034396	0032050	0034073	0034577	0032210	0034134	0001000	00204	00204	00183	00299	00159	01316	12000378	(30WNA_60)	63	13	0	%
0096062	0100000	0106783	0049158	0051645	0030910	0049418	0051895	0030970	0001000	00236	00236	00174	00141	00142	01213	12000379	(30WNA_60)	77	-1	28	%
0096062	0100000	0106783	0008523	0008880	0014537	0008573	0008940	0014577	0001000	00170	00170	00144	00157	00143	01512	12000380	(30WNA_60)	36	0	-14	%
0096062	0100000	0106783	0012097	0017160	0036529	0012158	0017259	0036621	0001000	00201	00201	00159	00136	00149	01496	12000381	(30WNA_60)	49	-27	-29	%
0096062	0100000	0106783	0023984	0027900	0022926	0024114	0028039	0022967	0001000	00196	00196	00168	00161	00152	01242	12000382	(30WNA_60)	60	-12	11	%
0096062	0100000	0106783	0003145	0004850	0001644	0003194	0004910	0001654	0001000	00278	00278	00223	00181	00203	01203	12000383	(30WNA_60)	26	-22	23	%
0096062	0100000	0106783	0019168	0011285	0001427	0019328	0011375	0001427	0001000	00341	00341	00168	00176	00154	01636	12000384	(30WNA_60)	40	51	49	%
0096062	0100000	0106783	0049826	0044180	0050635	0050087	0044400	0050726	0001000	00226	00226	00195	00278	00157	01353	12000385	(30WNA_60)	72	21	-4	%
0096062	0100000	0106783	0007130	0008990	0009571	0007170	0009050	0009601	0001000	00187	00187	00157	00167	00148	01406	12000386	(30WNA_60)	36	-14	0	%
0096062	0100000	0106783	0003125	0003260	0010499	0003156	0003300	0010559	0001000	00221	00221	00183	00251	00159	01972	12000387	(30WNA_60)	21	0	-28	%
0096062	0100000	0106783	0014370	0017330	0012487	0014470	0017429	0012517	0001000	00198	00198	00171	00171	00169	01329	12000388	(30WNA_60)	49	-13	14	%
0096062	0100000	0106783	0034003	0042600	0028566	0034193	0042820	0028626	0001000	00225	00225	00179	00142	00145	01285	12000389	(30WNA_60)	71	-23	22	%
0096062	0100000	0106783	0010834	0009790	0015088	0010924	0009870	0015139	0001000	00201	00201	00179	00225	00164	01844	12000390	(30WNA_60)	38	11	-12	%
0096062	0100000	0106783	0019253	0009710	0013524	0019423	0009790	0013564	0001000	00311	00311	00181	00231	00155	01875	12000391	(30WNA_60)	37	63	-8	%

%XS	YS	ZS	X0	Y0	Z0	X1	Y1	Z1	DV	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																					
Minimum, maximum and average colour difference value																					
STRESS constant F and STRESS value S																					
iai+1 = 392, d_CIELABmin = 0.09, d_CIELABmax = 2.09, d_CIELABave = 0.41																					
iai+1 = 392, CIELAB_Fa = 0.41, CIELAB_STRESSa = 57.17																					
iai+1 = 392, d_CIELCHmin = 0.09, d_CIELCHmax = 2.09, d_CIELCHave = 0.41																					
iai+1 = 392, CIELCHFa = 0.41, CIELCHSTRESSa = 57.17																					
iai+1 = 392, d_C94LCHmin = 0.07, d_C94LCHmax = 1.36, d_C94LCHave = 0.28																					
iai+1 = 392, C94LCHFa = 0.28, C94LCHSTRESSa = 49.9																					
iai+1 = 392, d_CCMLCHmin = 0.1, d_CCMLCHmax = 1.98, d_CCMLCHave = 0.38																					
iai+1 = 392, CCMLCHFa = 0.38, CCMLCHSTRESSa = 57.54																					
iai+1 = 392, d_C00LCHmin = 0.1, d_C00LCHmax = 1.55, d_C00LCHave = 0.31																					
iai+1 = 392, C00LCHFa = 0.31, C00LCHSTRESSa = 50.42																					
iai+1 = 392, d_C85LCHmin = 0.35, d_C85LCHmax = 6.48, d_C85LCHave = 1.57																					
iai+1 = 392, C85LCHFa = 1.57, C85LCHSTRESSa = 48.71																					

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%L*a*b*	a*	b*	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for all colour	data for all colour (a)				of experiment, iim=392,				Kittelmann threshold				data %								
48.81	-0.11	-0.03	0.11	195.62	48.85	0.11	0.03	0.11	15.62	1.0	0.239	0.239	0.368	0.348	0.706	12000000	(30RCA_60)	49	0	0 %	
88.99	-2.35	1.18	2.63	153.36	89.03	-2.02	1.25	2.38	148.23	1.0	0.34	0.314	0.431	0.441	0.635	12000001	(30RCA_60)	89	-2	1 %	
9.44	-0.49	0.34	0.6	145.53	9.52	-0.12	0.47	0.49	104.32	1.0	0.406	0.403	0.612	0.57	1.049	12000002	(30RCA_60)	9	0	0 %	
48.26	37.72	0.9	37.73	1.37	48.35	38.03	1.05	38.05	1.59	1.0	0.358	0.172	0.233	0.167	1.234	12000003	(30RCA_60)	48	38	1 %	
48.18	-39.04	0.32	39.04	179.51	48.26	-38.46	0.45	38.46	179.32	1.0	0.595	0.237	0.27	0.238	1.236	12000004	(30RCA_60)	48	-39	0 %	
47.41	-0.14	39.06	39.06	90.21	47.46	0.21	39.15	39.15	89.69	1.0	0.373	0.234	0.307	0.272	0.991	12000005	(30RCA_60)	47	0	39 %	
48.71	-0.35	-39.2	39.2	269.48	48.76	-0.11	-39.11	39.11	269.82	1.0	0.254	0.158	0.177	0.176	0.923	12000006	(30RCA_60)	49	0	-39 %	
53.91	-0.58	0.21	0.62	159.59	53.93	-0.39	0.25	0.46	147.06	1.0	0.198	0.194	0.291	0.285	0.494	12000007	(30RCA_60)	54	0	0 %	
59.14	-1.12	0.74	1.35	146.49	59.17	-0.95	0.79	1.24	140.25	1.0	0.18	0.174	0.25	0.248	0.478	12000008	(30RCA_60)	59	-1	1 %	
63.28	-0.83	0.92	1.24	132.24	63.31	-0.64	0.96	1.15	123.79	1.0	0.197	0.192	0.276	0.278	0.469	12000009	(30RCA_60)	63	-1	1 %	
68.32	-1.5	1.33	2.01	138.6	68.35	-1.3	1.38	1.9	133.41	1.0	0.211	0.202	0.281	0.285	0.491	12000010	(30RCA_60)	68	-1	1 %	
73.32	-1.42	0.95	1.71	146.16	73.35	-1.2	0.99	1.56	140.42	1.0	0.219	0.209	0.296	0.299	0.466	12000011	(30RCA_60)	73	-1	1 %	
78.23	-1.58	1.19	1.98	143.07	78.26	-1.42	1.24	1.88	138.82	1.0	0.175	0.167	0.232	0.233	0.402	12000012	(30RCA_60)	78	-2	1 %	
82.98	-1.24	0.54	1.36	156.55	83.01	-1.0	0.59	1.16	149.3	1.0	0.252	0.242	0.348	0.347	0.501	12000013	(30RCA_60)	83	-1	1 %	
45.21	-1.44	1.46	2.05	134.44	45.22	-1.31	1.49	1.98	131.26	1.0	0.133	0.127	0.177	0.181	0.351	12000014	(30RCA_60)	45	-1	1 %	
38.83	-0.43	0.37	0.56	139.26	38.85	-0.27	0.4	0.48	124.29	1.0	0.161	0.158	0.238	0.233	0.455	12000015	(30RCA_60)	39	0	0 %	
34.3	-0.63	0.99	1.18	122.52	34.32	-0.44	1.03	1.12	113.36	1.0	0.194	0.19	0.275	0.278	0.557	12000016	(30RCA_60)	34	-1	1 %	
29.14	-0.26	0.9	0.94	106.41	29.17	-0.14	0.94	0.95	98.79	1.0	0.129	0.128	0.186	0.183	0.474	12000017	(30RCA_60)	29	0	1 %	
24.24	-0.3	0.87	0.92	109.39	24.27	-0.15	0.93	0.94	99.67	1.0	0.162	0.16	0.234	0.229	0.587	12000018	(30RCA_60)	24	0	1 %	
19.28	-0.44	0.51	0.68	131.26	19.32	-0.25	0.58	0.63	114.04	1.0	0.206	0.204	0.305	0.288	0.716	12000019	(30RCA_60)	19	0	1 %	
13.85	0.3	-0.18	0.35	328.14	13.91	0.56	-0.08	0.57	351.2	1.0	0.289	0.286	0.444	0.401	0.903	12000020	(30RCA_60)	14	0	0 %	
48.61	4.16	-0.58	4.2	352.05	48.63	4.32	-0.53	4.36	352.9	1.0	0.171	0.147	0.2	0.197	0.488	12000021	(30RCA_60)	49	4	-1 %	
49.06	9.4	-0.69	9.43	355.77	49.09	9.6	-0.63	9.62	356.23	1.0	0.214	0.157	0.227	0.193	0.643	12000022	(30RCA_60)	49	10	-1 %	
49.05	13.19	-0.03	13.19	359.86	49.11	13.48	0.07	13.48	0.31	1.0	0.312	0.21	0.297	0.243	0.993	12000023	(30RCA_60)	49	13	0 %	
48.51	18.08	0.54	18.09	1.71	48.55	18.32	0.6	18.33	1.89	1.0	0.245	0.142	0.182	0.159	0.68	12000024	(30RCA_60)	49	18	1 %	
47.88	23.11	0.12	23.11	0.29	47.94	23.46	0.22	23.46	0.55	1.0	0.366	0.196	0.256	0.204	1.061	12000025	(30RCA_60)	48	23	0 %	
48.8	27.85	0.31	27.85	0.64	48.88	28.18	0.44	28.18	0.89	1.0	0.358	0.185	0.251	0.184	1.133	12000026	(30RCA_60)	49	28	0 %	
48.98	32.82	0.43	32.82	0.76	49.05	33.2	0.56	33.21	0.96	1.0	0.409	0.189	0.246	0.187	1.168	12000027	(30RCA_60)	49	33	0 %	
49.14	-5.07	-0.34	5.08	183.87	49.18	-4.94	-0.28	4.95	183.24	1.0	0.144	0.122	0.154	0.154	0.544	12000028	(30RCA_60)	49	-5	0 %	
49.11	-10.49	0.34	10.49	178.12	49.14	-10.24	0.38	10.25	177.83	1.0	0.255	0.176	0.21	0.223	0.58	12000029	(30RCA_60)	49	-10	0 %	
49.55	-15.35	-0.01	15.35	180.05	49.6	-15.02	0.06	15.02	179.74	1.0	0.342	0.211	0.241	0.249	0.859	12000030	(30RCA_60)	50	-15	0 %	
49.2	-19.64	0.42	19.64	178.76	49.25	-19.34	0.5	19.35	178.49	1.0	0.312	0.178	0.198	0.197	0.81	12000031	(30RCA_60)	49	-19	0 %	
48.97	-24.68	0.65	24.69	178.48	49.03	-24.29	0.75	24.3	178.21	1.0	0.403	0.208	0.229	0.219	0.996	12000032	(30RCA_60)	49	-24	1 %	
49.67	-29.8	0.13	29.8	179.74	49.72	-29.42	0.2	29.42	179.59	1.0	0.392	0.178	0.201	0.183	0.831	12000033	(30RCA_60)	50	-30	0 %	
48.89	-34.13	-0.73	34.14	181.22	48.97	-33.68	-0.6	33.69	181.03	1.0	0.475	0.208	0.231	0.21	1.149	12000034	(30RCA_60)	49	-34	-1 %	
49.14	-0.26	4.56	4.57	93.28	49.16	-0.09	4.6	4.6	91.16	1.0	0.175	0.163	0.237	0.246	0.485	12000035	(30RCA_60)	49	0	5 %	
49.04	0.04	8.89	8.89	89.69	49.06	0.21	8.93	8.93	88.6	1.0	0.177	0.155	0.259	0.236	0.483	12000036	(30RCA_60)	49	0	9 %	
48.84	-0.21	14.46	14.46	90.86	48.87	-0.04	14.52	14.52	90.18	1.0	0.187	0.151	0.236	0.223	0.572	12000037	(30RCA_60)	49	0	14 %	
48.19	-0.66	19.86	19.87	91.91	48.22	-0.37	19.9	19.9	91.08	1.0	0.294	0.226	0.336	0.318	0.715	12000038	(30RCA_60)	48	-1	20 %	
47.61	-0.84	24.22	24.24	91.99	47.63	-0.55	24.27	24.27	91.3	1.0	0.297	0.218	0.31	0.28	0.725	12000039	(30RCA_60)	48	-1	24 %	
48.1	-0.6	28.63	28.64	91.21	48.13	-0.31	28.68	28.68	90.63	1.0	0.293	0.205	0.283	0.247	0.713	12000040	(30RCA_60)	48	0	29 %	
48.1	-0.36	34.39	34.39	90.61	48.14	-0.13	34.45	34.45	90.22	1.0	0.245	0.161	0.213	0.187	0.667	12000041	(30RCA_60)	48	0	34 %	
50.0	0.11	-5.44	5.45	271.25	50.02	0.28	-5.4	5.41	272.99	1.0	0.17	0.157	0.226	0.237	0.486	12000042	(30RCA_60)	50	0	-5 %	
49.85	0.27	-9.93	9.93	271.57	49.88	0.38	-9.89	9.89	272.22	1.0	0.12	0.103	0.152	0.155	0.409	12000043	(30RCA_60)	50	0	-10 %	
49.1	0.32	-14.8	14.8	271.24	49.13	0.43	-14.76	14.76	271.69	1.0	0.124	0.1	0.137	0.146	0.43	12000044	(30RCA_60)	49	0	-15 %	
48.35	-0.34	-19.44	19.44	268.97	48.39	-0.17	-19.37	19.37	269.49	1.0	0.191	0.145	0.184	0.195	0.673	12000045	(30RCA_60)	48	0	-19 %	
48.49	-0.34	-24.65	24.65	269.19	48.52	-0.11	-24.61	24.61	269.72	1.0	0.234	0.169	0.208	0.21	0.637	12000046	(30RCA_60)	49	0	-25 %	
49.17	-0.16	-29.61	29.61	269.68	49.2	0.06	-29.57	29.57	270.11	1.0	0.23	0.159	0.189	0.184	0.629	12000047	(30RCA_60)	49	0	-30 %	
49.25	-0.32	-34.28	34.28	269.45	49.29	-0.1	-34.22	34.22	269.83	1.0	0.237	0.155	0.178	0.174	0.75	12000048	(30RCA_60)	49	0	-34 %	
21.67	-26.45	-0.19	26.45	180.42	21.7	-25.68	-0.13	25.68	180.3	1.0	0.769	0.354	0.41	0.374	1.092	12000049	(30RCA_60)	22	-26	0 %	

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%L*a*b*	a*	b*	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																					
34.65	-0.28	14.1	14.1	91.15	34.67	-0.09	14.14	14.14	90.4	1.0	0.188	0.155	0.249	0.234	0.525	12000050	(30RCA_60)	35	0	14 %	
48.98	-27.46	28.16	39.34	134.28	49.05	-27.11	28.27	39.17	133.79	1.0	0.375	0.225	0.233	0.205	0.856	12000051	(30RCA_60)	49	-27	28 %	
59.77	10.43	-11.46	15.5	312.3	59.8	10.7	-11.4	15.63	313.17	1.0	0.274	0.21	0.359	0.256	0.686	12000052	(30RCA_60)	60	11	-11 %	
25.41	22.09	-22.18	31.3	314.88	25.47	22.37	-22.07	31.43	315.38	1.0	0.307	0.202	0.31	0.208	1.159	12000053	(30RCA_60)	25	22	-22 %	
24.74	29.81	-43.88	53.05	304.19	24.78	29.98	-43.83	53.1	304.37	1.0	0.183	0.102	0.142	0.124	0.622	12000054	(30RCA_60)	25	30	-44 %	
17.01	0.11	-0.75	0.76	278.77	17.06	0.33	-0.67	0.75	296.61	1.0	0.241	0.238	0.355	0.341	0.811	12000055	(30RCA_60)	17	0	-1 %	
34.5	13.42	0.38	13.42	1.64	34.56	13.63	0.48	13.64	2.04	1.0	0.243	0.167	0.248	0.185	0.975	12000056	(30RCA_60)	35	14	0 %	
24.81	0.29	25.92	25.92	89.34	24.84	0.57	25.98	25.98	88.72	1.0	0.289	0.206	0.295	0.258	0.8	12000057	(30RCA_60)	25	0	26 %	
48.12	13.22	-13.77	19.1	313.83	48.14	13.37	-13.73	19.17	314.24	1.0	0.158	0.117	0.193	0.134	0.476	12000058	(30RCA_60)	48	13	-14 %	
71.89	20.33	-21.83	29.83	312.95	71.93	20.56	-21.77	29.94	313.36	1.0	0.245	0.161	0.243	0.171	0.6	12000059	(30RCA_60)	72	20	-22 %	
36.29	10.32	11.27	15.28	47.51	36.32	10.55	11.34	15.49	47.06	1.0	0.238	0.159	0.251	0.201	0.703	12000060	(30RCA_60)	36	10	11 %	
52.69	-28.84	-35.64	45.85	231.02	52.76	-28.62	-35.51	45.61	231.12	1.0	0.264	0.12	0.122	0.116	1.171	12000061	(30RCA_60)	53	-29	-36 %	
55.22	-1.25	2.62	2.91	115.53	55.24	-1.11	2.66	2.88	112.67	1.0	0.148	0.142	0.194	0.203	0.387	12000062	(30RCA_60)	55	-1	3 %	
20.67	26.86	0.65	26.87	1.39	20.75	27.28	0.78	27.29	1.64	1.0	0.444	0.222	0.3	0.218	1.27	12000063	(30RCA_60)	21	27	1 %	
62.86	-0.9	-13.02	13.05	266.04	62.9	-0.74	-12.97	12.99	266.7	1.0	0.169	0.137	0.187	0.195	0.505	12000064	(30RCA_60)	63	-1	-13 %	
49.03	26.22	-27.44	37.96	313.7	49.07	26.43	-27.38	38.06	313.99	1.0	0.222	0.134	0.197	0.143	0.675	12000065	(30RCA_60)	49	26	-27 %	
60.39	10.38	11.56	15.54	48.08	60.44	10.63	11.64	15.77	47.57	1.0	0.272	0.181	0.282	0.227	0.682	12000066	(30RCA_60)	60	11	12 %	
25.1	21.79	23.15	31.79	46.73	25.16	22.07	23.25	32.06	46.5	1.0	0.304	0.154	0.219	0.157	0.897	12000067	(30RCA_60)	25	22	23 %	
38.2	-12.13	-11.0	16.38	222.19	38.26	-11.92	-10.91	16.16	222.45	1.0	0.236	0.149	0.168	0.173	0.908	12000068	(30RCA_60)	38	-12	-11 %	
89.5	-3.76	4.51	5.88	129.8	89.54	-3.54	4.57	5.78	127.78	1.0	0.229	0.206	0.283	0.276	0.437	12000069	(30RCA_60)	90	-4	5 %	
63.03	-14.32	0.02	14.32	179.89	63.07	-14.01	0.09	14.01	179.6	1.0	0.32	0.202	0.232	0.241	0.704	12000070	(30RCA_60)	63	-14	0 %	
72.86	-0.65	-24.24	24.25	268.45	72.89	-0.41	-24.2	24.2	269.02	1.0	0.248	0.181	0.222	0.223	0.533	12000071	(30RCA_60)	73	-1	-24 %	
49.51	12.92	13.24	18.5	45.71	49.55	13.16	13.31	18.72	45.32	1.0	0.25	0.157	0.242	0.19	0.65	12000072	(30RCA_60)	50	13	13 %	
70.67	15.8	20.47	25.86	52.32	70.72	16.11	20.56	26.12	51.92	1.0	0.321	0.185	0.276	0.206	0.725	12000073	(30RCA_60)	71	16	21 %	
59.97	-12.48	-11.05	16.67	221.5	60.03	-12.15	-10.96	16.36	222.04	1.0	0.352	0.223	0.251	0.266	0.89	12000074	(30RCA_60)	60	-12	-11 %	
29.43	-20.04	-22.29	29.98	228.03	29.48	-19.84	-22.2	29.78	228.21	1.0	0.225	0.117	0.13	0.111	0.918	12000075	(30RCA_60)	29	-20	-22 %	
47.11	-57.92	35.27	67.82	148.65	47.19	-57.43	35.4	67.46	148.34	1.0	0.518	0.217	0.224	0.193	0.979	12000076	(30RCA_60)	47	-58	35 %	
76.46	-26.03	-0.79	26.05	181.74	76.51	-25.61	-0.69	25.62	181.56	1.0	0.433	0.21	0.234	0.217	0.79	12000077	(30RCA_60)	76	-26	-1 %	
63.6	-1.16	14.06	14.11	94.74	63.62	-0.94	14.11	14.14	93.81	1.0	0.234	0.193	0.304	0.289	0.512	12000078	(30RCA_60)	64	-1	14 %	
49.55	26.06	27.37	37.79	46.4	49.6	26.35	27.45	38.05	46.17	1.0	0.306	0.145	0.21	0.155	0.757	12000079	(30RCA_60)	50	26	27 %	
49.67	-13.96	-13.52	19.43	224.08	49.72	-13.63	-13.44	19.14	224.58	1.0	0.341	0.209	0.232	0.24	0.9	12000080	(30RCA_60)	50	-14	-13 %	
71.42	-23.6	-22.52	32.62	223.66	71.47	-23.21	-22.44	32.29	224.02	1.0	0.395	0.199	0.21	0.188	0.773	12000081	(30RCA_60)	71	-23	-22 %	
38.51	-11.49	11.47	16.23	135.06	38.55	-11.3	11.53	16.14	134.42	1.0	0.206	0.158	0.192	0.179	0.583	12000082	(30RCA_60)	39	-11	12 %	
81.54	-9.59	92.96	93.46	95.89	81.59	-9.22	93.05	93.51	95.65	1.0	0.388	0.166	0.216	0.2	0.687	12000083	(30RCA_60)	82	-9	93 %	
63.43	12.76	0.23	12.76	1.07	63.47	13.03	0.3	13.03	1.36	1.0	0.281	0.185	0.24	0.22	0.686	12000084	(30RCA_60)	63	13	0 %	
77.13	-1.32	28.21	28.24	92.68	77.16	-1.07	28.26	28.28	92.17	1.0	0.256	0.18	0.245	0.215	0.5	12000085	(30RCA_60)	77	-1	28 %	
35.82	-0.14	-13.61	13.61	269.41	35.83	-0.05	-13.58	13.58	269.78	1.0	0.097	0.079	0.109	0.114	0.374	12000086	(30RCA_60)	36	0	-14 %	
48.49	-27.42	-28.74	39.72	226.34	48.57	-27.12	-28.61	39.43	226.52	1.0	0.328	0.15	0.159	0.145	1.211	12000087	(30RCA_60)	49	-27	-29 %	
59.84	-12.04	10.95	16.28	137.7	59.89	-11.67	11.03	16.06	136.6	1.0	0.382	0.282	0.339	0.324	0.811	12000088	(30RCA_60)	60	-12	11 %	
26.39	-22.6	23.16	32.36	134.29	26.44	-22.0	23.26	32.02	133.41	1.0	0.606	0.366	0.398	0.342	1.142	12000089	(30RCA_60)	26	-22	23 %	
40.08	50.43	49.12	70.4	44.24	40.2	50.79	49.32	70.8	44.15	1.0	0.429	0.158	0.192	0.152	1.363	12000090	(30RCA_60)	40	51	49 %	
72.4	20.79	-3.6	21.1	350.17	72.45	21.1	-3.5	21.39	350.55	1.0	0.323	0.189	0.279	0.194	0.756	12000091	(30RCA_60)	72	21	-4 %	
36.02	-14.06	0.1	14.06	179.56	36.06	-13.73	0.17	13.73	179.27	1.0	0.335	0.211	0.245	0.254	0.839	12000092	(30RCA_60)	36	-14	0 %	
21.15	-0.33	-28.37	28.37	269.32	21.18	0.0	-28.31	28.31	270.0	1.0	0.345	0.24	0.291	0.28	1.034	12000093	(30RCA_60)	21	0	-28 %	
48.72	-13.42	13.73	19.2	134.35	48.76	-13.15	13.79	19.06	133.64	1.0	0.278	0.202	0.237	0.221	0.654	12000094	(30RCA_60)	49	-13	14 %	
71.34	-22.68	21.66	31.37	136.32	71.38	-22.34	21.73	31.17	135.79	1.0	0.353	0.217	0.231	0.201	0.617	12000095	(30RCA_60)	71	-23	22 %	
37.53	11.0	-11.95	16.24	312.64	37.57	11.29	-11.88	16.39	313.52	1.0	0.295	0.222	0.377	0.268	0.861	12000096	(30RCA_60)	38	11	-12 %	
37.35	62.68	-8.52	63.26	352.25	37.46	63.06	-8.33	63.61	352.46	1.0	0.435	0.185	0.272	0.163	1.674	12000097	(30RCA_60)	37	63	-8 %	
48.79	0.13	-0.06	0.14	333.68	48.87	-0.13	0.06	0.14	153.64	1.0	0.304	0.304	0.457	0.421	1.223	12000098	(30GMA_60)	49	0	0 %	
88.96	-2.02	1.14	2.32	150.46	89.06	-2.36	1.29	2.69	151.33	1.0	0.383	0.349	0.476	0.462	0.985	12000099	(30GMA_60)	89	-2	1 %	

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%L*	a*	b*	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																					
9.4	0.03	0.27	0.27	83.27	9.56	-0.65	0.54	0.85	139.99	1.0	0.753	0.747	1.166	1.041	2.018	12000100	(30GMA_60)	9	0	0	0 %
48.24	38.11	0.87	38.12	1.32	48.37	37.64	1.08	37.66	1.65	1.0	0.526	0.253	0.35	0.246	1.912	12000101	(30GMA_60)	48	38	1	1 %
48.16	-38.58	0.3	38.58	179.54	48.27	-38.91	0.47	38.92	179.29	1.0	0.393	0.199	0.199	0.198	1.449	12000102	(30GMA_60)	48	-39	0	0 %
47.38	0.24	39.03	39.03	89.63	47.5	-0.18	39.18	39.18	90.27	1.0	0.476	0.304	0.387	0.348	1.578	12000103	(30GMA_60)	47	0	39	39 %
48.66	0.0	-39.27	39.27	270.0	48.8	-0.47	-39.04	39.04	269.3	1.0	0.547	0.342	0.378	0.373	2.319	12000104	(30GMA_60)	49	0	-39	-39 %
53.89	-0.39	0.19	0.44	153.56	53.94	-0.58	0.27	0.64	154.7	1.0	0.203	0.199	0.297	0.277	0.73	12000105	(30GMA_60)	54	0	0	0 %
59.13	-0.94	0.72	1.19	142.23	59.18	-1.13	0.81	1.39	144.58	1.0	0.22	0.21	0.301	0.289	0.73	12000106	(30GMA_60)	59	-1	1	1 %
63.26	-0.61	0.88	1.07	124.91	63.33	-0.86	0.99	1.32	130.83	1.0	0.281	0.27	0.388	0.369	0.936	12000107	(30GMA_60)	63	-1	1	1 %
68.3	-1.31	1.31	1.85	135.08	68.36	-1.5	1.4	2.05	136.99	1.0	0.215	0.201	0.279	0.27	0.692	12000108	(30GMA_60)	68	-1	1	1 %
73.3	-1.18	0.91	1.5	142.29	73.37	-1.43	1.03	1.77	144.37	1.0	0.283	0.267	0.377	0.36	0.835	12000109	(30GMA_60)	73	-1	1	1 %
78.21	-1.36	1.15	1.78	139.75	78.28	-1.64	1.27	2.08	142.07	1.0	0.311	0.29	0.406	0.391	0.863	12000110	(30GMA_60)	78	-2	1	1 %
82.96	-1.01	0.51	1.14	152.95	83.03	-1.23	0.61	1.38	153.41	1.0	0.252	0.241	0.345	0.324	0.713	12000111	(30GMA_60)	83	-1	1	1 %
45.19	-1.28	1.44	1.93	131.7	45.24	-1.46	1.51	2.1	133.96	1.0	0.197	0.184	0.255	0.252	0.778	12000112	(30GMA_60)	45	-1	1	1 %
38.82	-0.24	0.34	0.41	125.14	38.87	-0.46	0.43	0.63	137.13	1.0	0.246	0.242	0.365	0.34	0.905	12000113	(30GMA_60)	39	0	0	0 %
34.28	-0.45	0.97	1.08	114.89	34.34	-0.62	1.05	1.22	120.85	1.0	0.197	0.191	0.273	0.262	0.89	12000114	(30GMA_60)	34	-1	1	1 %
29.12	-0.09	0.85	0.86	96.57	29.19	-0.31	0.99	1.03	107.55	1.0	0.262	0.256	0.374	0.343	1.217	12000115	(30GMA_60)	29	0	1	1 %
24.2	-0.03	0.84	0.84	92.15	24.3	-0.43	0.95	1.05	114.42	1.0	0.429	0.422	0.621	0.606	1.579	12000116	(30GMA_60)	24	0	1	1 %
19.24	-0.08	0.43	0.44	101.11	19.37	-0.62	0.65	0.9	133.47	1.0	0.594	0.586	0.894	0.816	2.121	12000117	(30GMA_60)	19	0	1	1 %
13.82	0.68	-0.23	0.72	340.72	13.94	0.18	-0.03	0.18	348.9	1.0	0.551	0.534	0.819	0.756	1.774	12000118	(30GMA_60)	14	0	0	0 %
48.59	4.32	-0.59	4.36	352.19	48.64	4.16	-0.52	4.19	352.79	1.0	0.182	0.156	0.203	0.203	0.705	12000119	(30GMA_60)	49	4	-1	-1 %
49.05	9.61	-0.7	9.63	355.79	49.11	9.4	-0.61	9.42	356.22	1.0	0.237	0.175	0.237	0.211	0.89	12000120	(30GMA_60)	49	10	-1	-1 %
49.03	13.49	-0.05	13.49	359.77	49.13	13.17	0.09	13.17	0.41	1.0	0.37	0.256	0.379	0.29	1.426	12000121	(30GMA_60)	49	13	0	0 %
48.49	18.33	0.51	18.34	1.62	48.57	18.06	0.62	18.07	1.98	1.0	0.301	0.188	0.268	0.203	1.105	12000122	(30GMA_60)	49	18	1	1 %
47.86	23.45	0.09	23.45	0.23	47.96	23.12	0.25	23.12	0.61	1.0	0.386	0.225	0.315	0.229	1.495	12000123	(30GMA_60)	48	23	0	0 %
48.77	28.29	0.27	28.29	0.55	48.91	27.74	0.47	27.74	0.98	1.0	0.603	0.313	0.42	0.314	2.086	12000124	(30GMA_60)	49	28	0	0 %
48.96	33.21	0.41	33.21	0.71	49.07	32.82	0.58	32.82	1.01	1.0	0.437	0.223	0.304	0.218	1.63	12000125	(30GMA_60)	49	33	0	0 %
49.13	-4.88	-0.36	4.89	184.28	49.2	-5.14	-0.25	5.14	182.87	1.0	0.29	0.248	0.315	0.317	1.044	12000126	(30GMA_60)	49	-5	0	0 %
49.1	-10.29	0.33	10.29	178.14	49.15	-10.44	0.39	10.45	177.81	1.0	0.173	0.128	0.147	0.151	0.644	12000127	(30GMA_60)	49	-10	0	0 %
49.53	-15.03	-0.04	15.04	180.18	49.62	-15.33	0.09	15.33	179.63	1.0	0.342	0.233	0.255	0.257	1.282	12000128	(30GMA_60)	50	-15	0	0 %
49.19	-19.36	0.4	19.37	178.8	49.26	-19.61	0.52	19.62	178.45	1.0	0.291	0.18	0.193	0.191	1.013	12000129	(30GMA_60)	49	-19	0	0 %
48.94	-24.29	0.62	24.3	178.53	49.06	-24.68	0.79	24.69	178.16	1.0	0.445	0.254	0.266	0.261	1.559	12000130	(30GMA_60)	49	-24	1	1 %
49.64	-29.41	0.08	29.41	179.83	49.75	-29.81	0.25	29.81	179.51	1.0	0.446	0.233	0.243	0.235	1.425	12000131	(30GMA_60)	50	-30	0	0 %
48.86	-33.69	-0.77	33.7	181.31	49.0	-34.12	-0.56	34.13	180.94	1.0	0.502	0.262	0.266	0.262	1.76	12000132	(30GMA_60)	49	-34	-1	-1 %
49.11	-0.02	4.52	4.52	90.26	49.19	-0.33	4.64	4.66	94.11	1.0	0.349	0.323	0.457	0.468	1.229	12000133	(30GMA_60)	49	0	5	5 %
49.03	0.21	8.88	8.88	88.63	49.08	0.05	8.94	8.94	89.66	1.0	0.177	0.155	0.251	0.228	0.649	12000134	(30GMA_60)	49	0	9	9 %
48.8	0.05	14.41	14.41	89.79	48.9	-0.31	14.58	14.58	91.25	1.0	0.418	0.335	0.514	0.484	1.391	12000135	(30GMA_60)	49	0	14	14 %
48.17	-0.41	19.84	19.85	91.19	48.24	-0.62	19.92	19.93	91.8	1.0	0.237	0.181	0.257	0.244	0.827	12000136	(30GMA_60)	48	-1	20	20 %
47.59	-0.58	24.19	24.2	91.39	47.65	-0.8	24.3	24.32	91.9	1.0	0.253	0.179	0.241	0.221	0.854	12000137	(30GMA_60)	48	-1	24	24 %
48.08	-0.32	28.61	28.61	90.65	48.15	-0.59	28.7	28.71	91.19	1.0	0.295	0.206	0.273	0.243	1.002	12000138	(30GMA_60)	48	0	29	29 %
48.07	-0.08	34.37	34.37	90.14	48.16	-0.41	34.48	34.48	90.68	1.0	0.352	0.234	0.301	0.268	1.179	12000139	(30GMA_60)	48	0	34	34 %
49.97	0.32	-5.49	5.5	273.43	50.04	0.07	-5.36	5.36	270.77	1.0	0.293	0.265	0.371	0.383	1.109	12000140	(30GMA_60)	50	0	-5	-5 %
49.83	0.45	-9.96	9.97	272.61	49.9	0.2	-9.85	9.85	271.16	1.0	0.286	0.243	0.352	0.357	1.09	12000141	(30GMA_60)	50	0	-10	-10 %
49.07	0.53	-14.84	14.85	272.06	49.16	0.22	-14.71	14.72	270.86	1.0	0.351	0.281	0.38	0.404	1.35	12000142	(30GMA_60)	49	0	-15	-15 %
48.32	-0.09	-19.47	19.47	269.7	48.41	-0.41	-19.34	19.34	268.75	1.0	0.359	0.273	0.344	0.362	1.413	12000143	(30GMA_60)	48	0	-19	-19 %
48.46	-0.1	-24.69	24.69	269.76	48.55	-0.36	-24.57	24.57	269.15	1.0	0.302	0.218	0.257	0.259	1.329	12000144	(30GMA_60)	49	0	-25	-25 %
49.13	0.15	-29.68	29.68	270.3	49.24	-0.26	-29.5	29.5	269.49	1.0	0.468	0.319	0.37	0.361	1.854	12000145	(30GMA_60)	49	0	-30	-30 %
49.21	0.0	-34.35	34.35	269.99	49.33	-0.42	-34.15	34.15	269.29	1.0	0.477	0.31	0.348	0.34	2.025	12000146	(30GMA_60)	49	0	-34	-34 %
21.63	-25.95	-0.23	25.95	180.51	21.74	-26.18	-0.1	26.18	180.22	1.0	0.29	0.18	0.22	0.165	1.392	12000147	(30GMA_60)	22	-26	0	0 %
34.62	-0.01	14.07	14.07	90.07	34.7	-0.36	14.17	14.17	91.48	1.0	0.37	0.304	0.482	0.449	1.289	12000148	(30GMA_60)	35	0	14	14 %
48.97	-27.11	28.15	39.08	133.92	49.06	-27.46	28.28	39.42	134.16	1.0	0.392	0.188	0.199	0.183	1.122	12000149	(30GMA_60)	49	-27	28	28 %

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*	a*	b*	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																					
59.73	10.74	-11.51	15.74	313.01	59.83	10.39	-11.35	15.39	312.46	1.0	0.398	0.26	0.333	0.309	1.398	12000150	(30GMA_60)	60	11	-11	%
25.38	22.44	-22.23	31.59	315.26	25.5	22.01	-22.02	31.14	314.99	1.0	0.494	0.245	0.311	0.237	2.338	12000151	(30GMA_60)	25	22	-22	%
24.7	30.17	-43.96	53.32	304.46	24.82	29.62	-43.75	52.84	304.1	1.0	0.604	0.268	0.361	0.292	2.519	12000152	(30GMA_60)	25	30	-44	%
16.98	0.32	-0.76	0.82	293.17	17.08	0.12	-0.67	0.68	280.9	1.0	0.235	0.23	0.353	0.308	1.168	12000153	(30GMA_60)	17	0	-1	%
34.48	13.75	0.36	13.75	1.5	34.58	13.3	0.5	13.31	2.18	1.0	0.476	0.317	0.451	0.366	1.762	12000154	(30GMA_60)	35	14	0	%
24.79	0.5	25.96	25.96	88.89	24.85	0.37	25.94	25.94	89.17	1.0	0.145	0.112	0.156	0.126	0.788	12000155	(30GMA_60)	25	0	26	%
48.09	13.44	-13.81	19.27	314.21	48.17	13.16	-13.69	19.0	313.86	1.0	0.309	0.189	0.241	0.218	1.197	12000156	(30GMA_60)	48	13	-14	%
71.85	20.65	-21.89	30.09	313.33	71.96	20.24	-21.72	29.68	312.98	1.0	0.458	0.239	0.291	0.24	1.408	12000157	(30GMA_60)	72	20	-22	%
36.26	10.6	11.22	15.44	46.63	36.35	10.27	11.38	15.33	47.94	1.0	0.378	0.306	0.605	0.379	1.436	12000158	(30GMA_60)	36	10	11	%
52.66	-28.48	-35.68	45.65	231.4	52.79	-28.98	-35.47	45.81	230.74	1.0	0.562	0.341	0.32	0.288	1.949	12000159	(30GMA_60)	53	-29	-36	%
55.2	-1.07	2.59	2.8	112.52	55.27	-1.29	2.69	2.99	115.59	1.0	0.252	0.233	0.312	0.317	0.93	12000160	(30GMA_60)	55	-1	3	%
20.65	27.25	0.64	27.26	1.36	20.77	26.89	0.78	26.9	1.67	1.0	0.406	0.224	0.327	0.209	1.686	12000161	(30GMA_60)	21	27	1	%
62.84	-0.68	-13.06	13.08	267.01	62.92	-0.96	-12.93	12.96	265.72	1.0	0.325	0.268	0.361	0.371	1.125	12000162	(30GMA_60)	63	-1	-13	%
49.0	26.52	-27.49	38.2	313.97	49.11	26.14	-27.32	37.82	313.72	1.0	0.433	0.207	0.247	0.212	1.78	12000163	(30GMA_60)	49	26	-27	%
60.36	10.7	11.52	15.73	47.12	60.47	10.31	11.67	15.58	48.53	1.0	0.424	0.339	0.656	0.424	1.329	12000164	(30GMA_60)	60	11	12	%
25.1	22.06	23.2	32.02	46.44	25.16	21.79	23.2	31.83	46.78	1.0	0.275	0.162	0.26	0.173	0.973	12000165	(30GMA_60)	25	22	23	%
38.19	-11.88	-11.02	16.2	222.84	38.26	-12.18	-10.89	16.34	221.8	1.0	0.336	0.261	0.294	0.291	1.208	12000166	(30GMA_60)	38	-12	-11	%
89.48	-3.5	4.48	5.69	128.03	89.56	-3.8	4.61	5.97	129.53	1.0	0.336	0.281	0.358	0.366	0.83	12000167	(30GMA_60)	90	-4	5	%
63.01	-14.03	0.0	14.03	180.01	63.09	-14.3	0.12	14.3	179.49	1.0	0.316	0.216	0.239	0.24	1.007	12000168	(30GMA_60)	63	-14	0	%
72.83	-0.39	-24.28	24.29	269.06	72.91	-0.67	-24.16	24.17	268.4	1.0	0.317	0.228	0.269	0.269	1.008	12000169	(30GMA_60)	73	-1	-24	%
49.49	13.17	13.21	18.66	45.09	49.56	12.91	13.34	18.56	45.94	1.0	0.301	0.233	0.443	0.281	1.015	12000170	(30GMA_60)	50	13	13	%
70.64	16.14	20.44	26.04	51.7	70.75	15.77	20.59	25.94	52.53	1.0	0.403	0.293	0.499	0.334	1.142	12000171	(30GMA_60)	71	16	21	%
59.95	-12.15	-11.08	16.44	222.36	60.05	-12.49	-10.92	16.59	221.18	1.0	0.385	0.303	0.332	0.332	1.302	12000172	(30GMA_60)	60	-12	-11	%
29.41	-19.8	-22.32	29.84	228.42	29.51	-20.08	-22.16	29.91	227.81	1.0	0.341	0.244	0.249	0.211	1.692	12000173	(30GMA_60)	29	-20	-22	%
47.09	-57.51	35.26	67.46	148.48	47.21	-57.83	35.41	67.82	148.51	1.0	0.372	0.147	0.153	0.144	1.245	12000174	(30GMA_60)	47	-58	35	%
76.44	-25.67	-0.82	25.69	181.83	76.53	-25.97	-0.67	25.98	181.48	1.0	0.347	0.2	0.201	0.193	0.966	12000175	(30GMA_60)	76	-26	-1	%
63.58	-0.96	14.04	14.07	93.94	63.64	-1.14	14.13	14.18	94.61	1.0	0.207	0.163	0.235	0.225	0.665	12000176	(30GMA_60)	64	-1	14	%
49.53	26.36	27.36	37.99	46.05	49.62	26.04	27.47	37.85	46.52	1.0	0.348	0.219	0.357	0.244	1.139	12000177	(30GMA_60)	50	26	27	%
49.64	-13.59	-13.56	19.2	224.93	49.75	-14.0	-13.39	19.37	223.72	1.0	0.455	0.346	0.37	0.368	1.601	12000178	(30GMA_60)	50	-14	-13	%
71.39	-23.22	-22.57	32.38	224.17	71.5	-23.59	-22.4	32.53	223.51	1.0	0.416	0.281	0.264	0.244	1.283	12000179	(30GMA_60)	71	-23	-22	%
38.48	-11.25	11.42	16.03	134.56	38.57	-11.54	11.57	16.34	134.91	1.0	0.338	0.216	0.246	0.247	1.194	12000180	(30GMA_60)	39	-11	12	%
81.51	-9.25	92.94	93.4	95.68	81.61	-9.56	93.07	93.56	95.86	1.0	0.359	0.166	0.187	0.174	0.916	12000181	(30GMA_60)	82	-9	93	%
63.4	13.11	0.18	13.11	0.81	63.51	12.68	0.36	12.69	1.62	1.0	0.475	0.327	0.476	0.373	1.506	12000182	(30GMA_60)	63	13	0	%
77.11	-1.06	28.18	28.2	92.17	77.18	-1.32	28.29	28.32	92.67	1.0	0.286	0.198	0.254	0.225	0.772	12000183	(30GMA_60)	77	-1	28	%
35.8	0.02	-13.63	13.63	270.12	35.85	-0.22	-13.55	13.56	269.06	1.0	0.267	0.22	0.307	0.32	1.033	12000184	(30GMA_60)	36	0	-14	%
48.47	-27.1	-28.76	39.52	226.71	48.59	-27.44	-28.58	39.63	226.16	1.0	0.407	0.264	0.247	0.231	1.682	12000185	(30GMA_60)	49	-27	-29	%
59.82	-11.72	10.93	16.03	136.99	59.91	-11.99	11.05	16.31	137.31	1.0	0.301	0.193	0.213	0.221	0.936	12000186	(30GMA_60)	60	-12	11	%
26.36	-22.14	23.16	32.04	133.7	26.47	-22.46	23.26	32.34	134.0	1.0	0.36	0.202	0.234	0.183	1.383	12000187	(30GMA_60)	26	-22	23	%
40.09	50.8	49.13	70.67	44.04	40.19	50.42	49.3	70.52	44.35	1.0	0.424	0.214	0.346	0.242	1.406	12000188	(30GMA_60)	40	51	49	%
72.37	21.15	-3.64	21.46	350.23	72.48	20.74	-3.46	21.03	350.51	1.0	0.458	0.259	0.308	0.265	1.373	12000189	(30GMA_60)	72	21	-4	%
35.99	-13.69	0.07	13.69	179.68	36.08	-14.1	0.2	14.1	179.16	1.0	0.438	0.29	0.333	0.333	1.453	12000190	(30GMA_60)	36	-14	0	%
21.11	0.07	-28.42	28.42	270.15	21.22	-0.4	-28.26	28.26	269.17	1.0	0.523	0.365	0.45	0.411	2.13	12000191	(30GMA_60)	21	0	-28	%
48.71	-13.16	13.71	19.0	133.82	48.78	-13.42	13.81	19.26	134.17	1.0	0.286	0.178	0.198	0.201	0.921	12000192	(30GMA_60)	49	-13	14	%
71.31	-22.34	21.61	31.09	135.95	71.41	-22.68	21.77	31.44	136.16	1.0	0.386	0.196	0.203	0.184	1.005	12000193	(30GMA_60)	71	-23	22	%
37.5	11.3	-11.98	16.47	313.32	37.59	10.98	-11.85	16.16	312.83	1.0	0.354	0.23	0.301	0.27	1.526	12000194	(30GMA_60)	38	11	-12	%
37.34	63.13	-8.53	63.7	352.3	37.47	62.61	-8.32	63.17	352.42	1.0	0.57	0.201	0.257	0.186	2.199	12000195	(30GMA_60)	37	63	-8	%
48.82	-0.08	0.2	0.22	112.11	48.84	0.08	-0.2	0.22	292.23	1.0	0.452	0.45	0.693	0.489	1.953	12000196	(30BYA_60)	49	0	0	%
89.0	-2.34	1.55	2.81	146.51	89.01	-2.04	0.88	2.22	156.5	1.0	0.726	0.663	0.913	0.71	2.105	12000197	(30BYA_60)	89	-2	1	%
9.48	-0.63	1.02	1.2	121.69	9.48	0.02	-0.21	0.21	277.01	1.0	1.409	1.361	1.987	1.551	4.517	12000198	(30BYA_60)	9	0	0	%
48.29	37.78	1.38	37.81	2.09	48.32	37.97	0.58	37.97	0.87	1.0	0.821	0.517	0.986	0.465	3.593	12000199	(30BYA_60)	48	38	1	%

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*a*b*	a*0	b*0	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for all colour	of experiment, iim=392,				Kittelmann threshold				data %												
48.21	-38.99	0.74	38.99	178.9	48.22	-38.51	0.03	38.51	179.94	1.0	0.857	0.479	0.461	0.481	3.288	12000200	(30BYA_60)	48	-39	0 %	
47.43	-0.07	39.99	39.99	90.1	47.45	0.13	38.23	38.23	89.79	1.0	1.765	0.64	0.779	0.655	2.584	12000201	(30BYA_60)	47	0	39 %	
48.71	-0.77	-38.53	38.53	268.84	48.76	0.31	-39.79	39.79	270.45	1.0	1.669	0.835	0.971	0.888	6.488	12000202	(30BYA_60)	49	0	-39 %	
53.92	-0.58	0.4	0.71	145.14	53.92	-0.39	0.06	0.39	170.64	1.0	0.393	0.384	0.576	0.435	1.546	12000203	(30BYA_60)	54	0	0 %	
59.15	-1.13	0.97	1.49	139.15	59.16	-0.95	0.56	1.1	149.38	1.0	0.451	0.427	0.619	0.462	1.729	12000204	(30BYA_60)	59	-1	1 %	
63.29	-0.83	1.17	1.44	125.39	63.3	-0.64	0.7	0.95	132.36	1.0	0.512	0.483	0.704	0.524	1.899	12000205	(30BYA_60)	63	-1	1 %	
68.32	-1.52	1.6	2.21	133.5	68.34	-1.29	1.1	1.7	139.42	1.0	0.544	0.499	0.706	0.544	1.883	12000206	(30BYA_60)	68	-1	1 %	
73.33	-1.44	1.25	1.91	139.03	73.34	-1.18	0.69	1.37	149.54	1.0	0.62	0.578	0.824	0.632	2.055	12000207	(30BYA_60)	73	-1	1 %	
78.24	-1.62	1.49	2.2	137.4	78.25	-1.38	0.93	1.66	145.77	1.0	0.608	0.561	0.791	0.607	1.939	12000208	(30BYA_60)	78	-2	1 %	
82.99	-1.25	0.86	1.52	145.49	83.0	-0.99	0.27	1.03	164.59	1.0	0.641	0.611	0.88	0.662	1.987	12000209	(30BYA_60)	83	-1	1 %	
45.22	-1.46	1.67	2.22	131.2	45.22	-1.28	1.29	1.82	134.92	1.0	0.422	0.386	0.546	0.421	1.771	12000210	(30BYA_60)	45	-1	1 %	
38.84	-0.47	0.61	0.77	127.56	38.84	-0.23	0.15	0.28	145.59	1.0	0.511	0.495	0.745	0.561	2.285	12000211	(30BYA_60)	39	0	0 %	
34.31	-0.68	1.27	1.44	118.34	34.31	-0.39	0.75	0.85	117.52	1.0	0.586	0.55	0.805	0.632	2.59	12000212	(30BYA_60)	34	-1	1 %	
29.15	-0.32	1.13	1.18	106.08	29.15	-0.08	0.71	0.71	96.74	1.0	0.485	0.462	0.683	0.535	2.165	12000213	(30BYA_60)	29	0	1 %	
24.25	-0.38	1.19	1.25	107.69	24.25	-0.08	0.61	0.61	97.89	1.0	0.653	0.619	0.911	0.703	2.918	12000214	(30BYA_60)	24	0	1 %	
19.28	-0.44	0.88	0.99	116.94	19.32	-0.25	0.21	0.33	140.95	1.0	0.7	0.672	1.001	0.708	3.211	12000215	(30BYA_60)	19	0	1 %	
13.88	0.3	0.31	0.44	45.85	13.88	0.56	-0.59	0.81	313.47	1.0	0.947	0.939	1.425	0.969	3.933	12000216	(30BYA_60)	14	0	0 %	
48.62	4.13	-0.33	4.14	355.31	48.62	4.35	-0.78	4.42	349.83	1.0	0.496	0.452	0.678	0.465	2.097	12000217	(30BYA_60)	49	4	-1 %	
49.07	9.4	-0.44	9.41	357.28	49.08	9.61	-0.88	9.65	354.76	1.0	0.483	0.404	0.853	0.384	2.048	12000218	(30BYA_60)	49	10	-1 %	
49.07	13.2	0.32	13.21	1.39	49.08	13.46	-0.28	13.46	358.8	1.0	0.656	0.529	1.179	0.48	2.806	12000219	(30BYA_60)	49	13	0 %	
48.52	18.13	0.79	18.14	2.51	48.54	18.27	0.34	18.28	1.09	1.0	0.471	0.362	0.784	0.319	2.045	12000220	(30BYA_60)	49	18	1 %	
47.91	23.16	0.45	23.17	1.13	47.92	23.41	-0.11	23.41	359.72	1.0	0.619	0.439	0.89	0.39	2.658	12000221	(30BYA_60)	48	23	0 %	
48.83	27.9	0.75	27.91	1.55	48.85	28.13	0.0	28.13	359.98	1.0	0.798	0.55	1.09	0.491	3.494	12000222	(30BYA_60)	49	28	0 %	
49.01	32.88	0.84	32.89	1.47	49.02	33.15	0.15	33.15	0.25	1.0	0.744	0.479	0.921	0.432	3.175	12000223	(30BYA_60)	49	33	0 %	
49.16	-5.09	-0.12	5.09	181.37	49.17	-4.93	-0.5	4.95	185.81	1.0	0.412	0.378	0.493	0.389	1.771	12000224	(30BYA_60)	49	-5	0 %	
49.13	-10.48	0.58	10.5	176.82	49.13	-10.25	0.14	10.25	179.16	1.0	0.49	0.402	0.49	0.403	1.996	12000225	(30BYA_60)	49	-10	0 %	
49.57	-15.31	0.26	15.31	179.02	49.58	-15.05	-0.21	15.05	180.8	1.0	0.538	0.413	0.464	0.404	2.194	12000226	(30BYA_60)	50	-15	0 %	
49.22	-19.62	0.67	19.63	178.02	49.23	-19.35	0.25	19.35	179.24	1.0	0.502	0.354	0.378	0.346	1.959	12000227	(30BYA_60)	49	-19	0 %	
49.0	-24.58	0.92	24.6	177.85	49.01	-24.38	0.49	24.39	178.84	1.0	0.474	0.325	0.328	0.316	1.949	12000228	(30BYA_60)	49	-24	1 %	
49.69	-29.71	0.4	29.72	179.21	49.7	-29.51	-0.06	29.51	180.13	1.0	0.518	0.34	0.33	0.337	2.171	12000229	(30BYA_60)	50	-30	0 %	
48.92	-34.06	-0.42	34.06	180.71	48.93	-33.76	-0.91	33.77	181.54	1.0	0.571	0.345	0.332	0.346	2.265	12000230	(30BYA_60)	49	-34	-1 %	
49.14	-0.22	4.77	4.77	92.73	49.16	-0.12	4.39	4.39	91.65	1.0	0.389	0.323	0.428	0.342	1.528	12000231	(30BYA_60)	49	0	5 %	
49.05	0.05	9.1	9.1	89.64	49.05	0.2	8.71	8.72	88.63	1.0	0.415	0.306	0.408	0.347	1.408	12000232	(30BYA_60)	49	0	9 %	
48.85	-0.24	14.84	14.85	90.96	48.86	-0.01	14.14	14.14	90.06	1.0	0.741	0.461	0.575	0.513	2.193	12000233	(30BYA_60)	49	0	14 %	
48.2	-0.63	20.28	20.29	91.8	48.21	-0.4	19.48	19.48	91.17	1.0	0.834	0.452	0.544	0.488	2.143	12000234	(30BYA_60)	48	-1	20 %	
47.61	-0.83	24.71	24.72	91.93	47.63	-0.56	23.78	23.79	91.35	1.0	0.964	0.476	0.569	0.503	2.199	12000235	(30BYA_60)	48	-1	24 %	
48.11	-0.6	29.21	29.21	91.18	48.12	-0.32	28.11	28.11	90.65	1.0	1.136	0.512	0.612	0.533	2.295	12000236	(30BYA_60)	48	0	29 %	
48.11	-0.39	35.12	35.12	90.64	48.12	-0.1	33.73	33.73	90.17	1.0	1.426	0.572	0.69	0.59	2.436	12000237	(30BYA_60)	48	0	34 %	
50.0	0.09	-5.23	5.23	271.07	50.01	0.3	-5.62	5.63	273.09	1.0	0.445	0.37	0.494	0.428	1.895	12000238	(30BYA_60)	50	0	-5 %	
49.86	0.22	-9.69	9.69	271.3	49.87	0.43	-10.13	10.13	272.46	1.0	0.486	0.355	0.459	0.413	2.128	12000239	(30BYA_60)	50	0	-10 %	
49.11	0.21	-14.49	14.49	270.83	49.12	0.54	-15.07	15.08	272.08	1.0	0.673	0.445	0.561	0.536	2.924	12000240	(30BYA_60)	49	0	-15 %	
48.36	-0.45	-19.06	19.06	268.63	48.38	-0.06	-19.75	19.75	269.81	1.0	0.795	0.484	0.59	0.561	3.5	12000241	(30BYA_60)	48	0	-19 %	
48.5	-0.51	-24.25	24.25	268.79	48.51	0.04	-25.01	25.01	270.11	1.0	0.941	0.549	0.661	0.619	3.934	12000242	(30BYA_60)	49	0	-25 %	
49.17	-0.35	-29.19	29.19	269.31	49.2	0.25	-29.99	29.99	270.47	1.0	1.005	0.545	0.645	0.587	4.138	12000243	(30BYA_60)	49	0	-30 %	
49.25	-0.56	-33.8	33.8	269.04	49.29	0.13	-34.71	34.71	270.22	1.0	1.153	0.593	0.695	0.629	4.664	12000244	(30BYA_60)	49	0	-34 %	
21.68	-26.41	0.18	26.41	179.6	21.68	-25.72	-0.51	25.72	181.15	1.0	0.981	0.592	0.611	0.593	3.562	12000245	(30BYA_60)	22	-26	0 %	
34.66	-0.27	14.46	14.47	91.09	34.66	-0.1	13.77	13.77	90.43	1.0	0.711	0.44	0.534	0.471	2.116	12000246	(30BYA_60)	35	0	14 %	
49.0	-27.39	28.7	39.68	133.66	49.03	-27.18	27.73	38.83	134.42	1.0	0.995	0.446	0.5	0.423	2.028	12000247	(30BYA_60)	49	-27	28 %	
59.78	10.4	-11.12	15.23	313.08	59.79	10.73	-11.75	15.91	312.41	1.0	0.708	0.432	0.544	0.439	2.79	12000248	(30BYA_60)	60	11	-11 %	
25.42	21.97	-21.73	30.9	315.32	25.45	22.49	-22.53	31.83	314.95	1.0	0.95	0.413	0.506	0.411	4.411	12000249	(30BYA_60)	25	22	-22 %	

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application for measurement of display or printer output, no separation
TUB material: code=rha4ta

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%L*	a*	b*	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
Kittelmann threshold data %																					
24.73	29.47	-43.35	52.42	304.2	24.79	30.34	-44.36	53.74	304.36	1.0	1.333	0.407	0.525	0.407	4.723	12000250	(30BYA_60)	25	30	-44 %	
17.03	-0.08	-0.24	0.25	251.09	17.03	0.54	-1.19	1.31	294.44	1.0	1.141	1.129	1.744	1.297	4.681	12000251	(30BYA_60)	17	0	-1 %	
34.52	13.4	0.76	13.42	3.27	34.54	13.65	0.1	13.65	0.43	1.0	0.706	0.574	1.3	0.517	3.354	12000252	(30BYA_60)	35	14	0 %	
24.81	0.36	26.55	26.56	89.2	24.84	0.5	25.36	25.36	88.85	1.0	1.206	0.557	0.653	0.57	1.898	12000253	(30BYA_60)	25	0	26 %	
48.12	13.14	-13.44	18.8	314.34	48.14	13.46	-14.06	19.47	313.75	1.0	0.698	0.394	0.498	0.394	3.101	12000254	(30BYA_60)	48	13	-14 %	
71.9	20.24	-21.41	29.46	313.38	71.92	20.65	-22.19	30.32	312.93	1.0	0.884	0.401	0.499	0.402	3.152	12000255	(30BYA_60)	72	20	-22 %	
36.3	10.32	11.67	15.58	48.49	36.31	10.55	10.94	15.2	46.04	1.0	0.761	0.578	1.129	0.647	2.513	12000256	(30BYA_60)	36	10	11 %	
52.71	-29.09	-35.18	45.65	230.41	52.74	-28.37	-35.97	45.81	231.73	1.0	1.066	0.628	0.601	0.512	3.811	12000257	(30BYA_60)	53	-29	-36 %	
55.23	-1.29	2.88	3.15	114.21	55.24	-1.07	2.4	2.63	113.98	1.0	0.523	0.458	0.629	0.507	1.964	12000258	(30BYA_60)	55	-1	3 %	
20.71	26.88	1.19	26.91	2.53	20.71	27.26	0.24	27.26	0.51	1.0	1.016	0.699	1.389	0.627	4.537	12000259	(30BYA_60)	21	27	1 %	
62.87	-0.97	-12.7	12.74	265.6	62.89	-0.67	-13.29	13.31	267.11	1.0	0.664	0.462	0.59	0.544	2.557	12000260	(30BYA_60)	63	-1	-13 %	
49.04	26.1	-27.0	37.56	314.03	49.06	26.56	-27.82	38.46	313.67	1.0	0.931	0.368	0.463	0.369	4.063	12000261	(30BYA_60)	49	26	-27 %	
60.4	10.4	11.95	15.84	48.98	60.42	10.62	11.24	15.47	46.64	1.0	0.742	0.561	1.089	0.63	2.245	12000262	(30BYA_60)	60	11	12 %	
25.13	21.82	24.02	32.46	47.74	25.13	22.03	22.4	31.42	45.47	1.0	1.637	0.95	1.6	1.054	2.868	12000263	(30BYA_60)	25	22	23 %	
38.22	-12.16	-10.74	16.23	221.46	38.24	-11.89	-11.16	16.31	223.18	1.0	0.498	0.398	0.449	0.403	2.259	12000264	(30BYA_60)	38	-12	-11 %	
89.51	-3.78	4.88	6.17	127.82	89.53	-3.52	4.21	5.49	129.9	1.0	0.719	0.571	0.738	0.599	1.989	12000265	(30BYA_60)	90	-4	5 %	
63.04	-14.29	0.32	14.3	178.69	63.05	-14.04	-0.2	14.04	180.82	1.0	0.587	0.461	0.526	0.449	2.156	12000266	(30BYA_60)	63	-14	0 %	
72.86	-0.75	-23.86	23.87	268.19	72.88	-0.31	-24.59	24.59	269.26	1.0	0.848	0.479	0.573	0.529	2.945	12000267	(30BYA_60)	73	-1	-24 %	
49.53	12.91	13.61	18.76	46.51	49.53	13.17	12.94	18.47	44.5	1.0	0.717	0.534	1.038	0.601	2.153	12000268	(30BYA_60)	50	13	13 %	
70.69	15.84	20.89	26.22	52.81	70.7	16.07	20.14	25.76	51.41	1.0	0.782	0.501	0.858	0.566	1.851	12000269	(30BYA_60)	71	16	21 %	
59.99	-12.51	-10.66	16.44	220.43	60.01	-12.12	-11.34	16.61	223.09	1.0	0.785	0.623	0.7	0.624	3.029	12000270	(30BYA_60)	60	-12	-11 %	
29.45	-20.23	-21.93	29.84	227.31	29.47	-19.65	-22.56	29.92	228.93	1.0	0.851	0.586	0.585	0.514	3.533	12000271	(30BYA_60)	29	-20	-22 %	
47.15	-57.88	35.96	68.15	148.14	47.16	-57.46	34.71	67.14	148.86	1.0	1.319	0.488	0.536	0.433	2.066	12000272	(30BYA_60)	47	-58	35 %	
76.48	-25.97	-0.46	25.98	181.03	76.49	-25.68	-1.02	25.7	182.28	1.0	0.629	0.426	0.424	0.42	2.014	12000273	(30BYA_60)	76	-26	-1 %	
63.61	-1.2	14.43	14.48	94.75	63.61	-0.9	13.74	13.77	93.77	1.0	0.755	0.476	0.594	0.541	2.079	12000274	(30BYA_60)	64	-1	14 %	
49.57	26.12	27.8	38.15	46.78	49.58	26.29	27.02	37.7	45.78	1.0	0.801	0.451	0.763	0.507	1.674	12000275	(30BYA_60)	50	26	27 %	
49.69	-13.98	-13.2	19.23	223.34	49.7	-13.61	-13.76	19.35	225.31	1.0	0.673	0.517	0.563	0.509	2.769	12000276	(30BYA_60)	50	-14	-13 %	
71.44	-23.62	-22.16	32.39	223.16	71.46	-23.19	-22.8	32.53	224.51	1.0	0.777	0.518	0.505	0.452	2.625	12000277	(30BYA_60)	71	-23	-22 %	
38.53	-11.57	11.92	16.61	134.14	38.53	-11.22	11.07	15.77	135.37	1.0	0.911	0.556	0.655	0.549	2.894	12000278	(30BYA_60)	39	-11	12 %	
81.55	-9.49	94.06	94.54	95.76	81.57	-9.32	91.97	92.45	95.78	1.0	2.095	0.399	0.629	0.403	1.037	12000279	(30BYA_60)	82	-9	93 %	
63.45	12.79	0.56	12.8	2.55	63.46	13.0	-0.02	13.0	359.9	1.0	0.629	0.516	1.17	0.466	2.383	12000280	(30BYA_60)	63	13	0 %	
77.14	-1.33	28.69	28.72	92.66	77.15	-1.05	27.79	27.81	92.17	1.0	0.945	0.433	0.52	0.453	1.875	12000281	(30BYA_60)	77	-1	28 %	
35.82	-0.18	-13.38	13.39	269.19	35.83	0.0	-13.8	13.8	269.98	1.0	0.455	0.302	0.377	0.346	2.271	12000282	(30BYA_60)	36	0	-14 %	
48.52	-27.56	-28.35	39.54	225.81	48.54	-26.98	-29.0	39.61	227.06	1.0	0.865	0.542	0.517	0.456	3.245	12000283	(30BYA_60)	49	-27	-29 %	
59.86	-12.02	11.4	16.57	136.52	59.87	-11.69	10.59	15.77	137.82	1.0	0.875	0.541	0.638	0.53	2.615	12000284	(30BYA_60)	60	-12	11 %	
26.4	-22.49	23.93	32.84	133.22	26.43	-22.11	22.5	31.54	134.49	1.0	1.478	0.707	0.799	0.681	2.699	12000285	(30BYA_60)	26	-22	23 %	
40.13	50.57	50.04	71.14	44.69	40.15	50.66	48.42	70.08	43.7	1.0	1.621	0.643	1.104	0.754	1.388	12000286	(30BYA_60)	40	51	49 %	
72.42	20.81	-3.19	21.05	351.27	72.43	21.09	-3.91	21.45	349.48	1.0	0.774	0.544	1.07	0.473	2.731	12000287	(30BYA_60)	72	21	-4 %	
36.03	-14.0	0.36	14.0	178.48	36.05	-13.79	-0.08	13.79	180.36	1.0	0.503	0.399	0.457	0.387	2.337	12000288	(30BYA_60)	36	-14	0 %	
21.16	-0.49	-28.04	28.04	268.98	21.16	0.16	-28.64	28.64	270.33	1.0	0.896	0.538	0.643	0.602	3.436	12000289	(30BYA_60)	21	0	-28 %	
48.74	-13.44	14.16	19.53	133.5	48.75	-13.13	13.36	18.73	134.51	1.0	0.864	0.497	0.578	0.485	2.554	12000290	(30BYA_60)	49	-13	14 %	
71.35	-22.68	22.16	31.71	135.65	71.37	-22.34	21.22	30.82	136.47	1.0	0.999	0.476	0.538	0.458	2.261	12000291	(30BYA_60)	71	-23	22 %	
37.55	10.96	-11.66	16.0	313.24	37.55	11.32	-12.17	16.63	312.92	1.0	0.63	0.37	0.441	0.387	2.88	12000292	(30BYA_60)	38	11	-12 %	
37.4	62.75	-8.12	63.27	352.62	37.4	63.0	-8.73	63.6	352.1	1.0	0.663	0.307	0.556	0.259	3.249	12000293	(30BYA_60)	37	63	-8 %	
48.74	-0.01	-0.09	0.1	260.53	48.92	0.01	0.09	0.1	80.42	1.0	0.273	0.273	0.344	0.274	2.107	12000294	(30WNA_60)	49	0	0 %	
88.9	-2.21	1.11	2.48	153.32	89.11	-2.17	1.32	2.54	148.58	1.0	0.299	0.293	0.306	0.246	1.613	12000295	(30WNA_60)	89	-2	1 %	
9.32	-0.33	0.2	0.39	148.81	9.64	-0.28	0.61	0.67	114.45	1.0	0.524	0.521	0.887	0.459	2.966	12000296	(30WNA_60)	9	0	0 %	
48.21	37.82	0.87	37.83	1.32	48.4	37.93	1.09	37.94	1.65	1.0	0.309	0.238	0.31	0.228	2.174	12000297	(30WNA_60)	48	38	1 %	
48.13	-38.71	0.31	38.71	179.53	48.31	-38.78	0.47	38.79	179.3	1.0	0.248	0.204	0.17	0.203	1.957	12000298	(30WNA_60)	48	-39	0 %	
47.34	0.01	38.99	38.99	89.97	47.54	0.04	39.22	39.22	89.92	1.0	0.304	0.212	0.188	0.209	2.019	12000299	(30WNA_60)	47	0	39 %	

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%L*a*b*	CIE Lab	data for all colour	(a)	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
48.64	-0.19	-39.22	39.22	269.71	48.82	-0.27	-39.09	39.09	269.59	1.0	0.228	0.187	0.159	0.187	2.109	12000300	(30WNA_60)	49	0	-39	%
53.84	-0.52	0.16	0.55	163.1	53.99	-0.45	0.31	0.55	145.3	1.0	0.226	0.225	0.276	0.236	1.609	12000301	(30WNA_60)	54	0	0	%
59.08	-1.05	0.69	1.26	146.58	59.22	-1.02	0.84	1.32	140.57	1.0	0.204	0.201	0.233	0.193	1.422	12000302	(30WNA_60)	59	-1	1	%
63.22	-0.75	0.86	1.15	131.04	63.37	-0.72	1.01	1.24	125.52	1.0	0.212	0.209	0.237	0.195	1.455	12000303	(30WNA_60)	63	-1	1	%
68.26	-1.42	1.28	1.91	137.92	68.4	-1.39	1.42	1.99	134.31	1.0	0.2	0.196	0.215	0.178	1.297	12000304	(30WNA_60)	68	-1	1	%
73.26	-1.33	0.9	1.6	145.9	73.41	-1.29	1.05	1.66	141.02	1.0	0.214	0.21	0.23	0.187	1.334	12000305	(30WNA_60)	73	-1	1	%
78.17	-1.5	1.13	1.88	143.01	78.33	-1.5	1.3	1.98	139.09	1.0	0.229	0.224	0.243	0.192	1.354	12000306	(30WNA_60)	78	-2	1	%
82.91	-1.15	0.48	1.25	157.27	83.08	-1.09	0.65	1.27	149.22	1.0	0.243	0.241	0.271	0.214	1.357	12000307	(30WNA_60)	83	-1	1	%
45.15	-1.42	1.42	2.0	135.01	45.28	-1.33	1.54	2.03	130.78	1.0	0.197	0.193	0.23	0.209	1.443	12000308	(30WNA_60)	45	-1	1	%
38.78	-0.4	0.32	0.51	141.07	38.9	-0.3	0.44	0.54	124.04	1.0	0.199	0.198	0.261	0.217	1.489	12000309	(30WNA_60)	39	0	0	%
34.23	-0.55	0.92	1.07	121.07	34.39	-0.52	1.1	1.22	115.39	1.0	0.246	0.241	0.308	0.225	2.06	12000310	(30WNA_60)	34	-1	1	%
29.08	-0.22	0.83	0.86	104.74	29.23	-0.19	1.01	1.03	100.73	1.0	0.236	0.231	0.312	0.211	1.96	12000311	(30WNA_60)	29	0	1	%
24.17	-0.24	0.81	0.85	106.88	24.33	-0.21	0.98	1.01	102.46	1.0	0.235	0.231	0.324	0.205	1.991	12000312	(30WNA_60)	24	0	1	%
19.18	-0.28	0.4	0.49	125.53	19.43	-0.42	0.69	0.8	121.33	1.0	0.401	0.396	0.61	0.376	3.021	12000313	(30WNA_60)	19	0	1	%
13.76	0.42	-0.24	0.48	330.09	14.0	0.44	-0.03	0.44	356.0	1.0	0.316	0.315	0.557	0.26	2.414	12000314	(30WNA_60)	14	0	0	%
48.55	4.21	-0.62	4.26	351.52	48.69	4.27	-0.49	4.3	353.43	1.0	0.202	0.195	0.24	0.195	1.546	12000315	(30WNA_60)	49	4	-1	%
49.0	9.46	-0.74	9.49	355.52	49.15	9.54	-0.58	9.56	356.49	1.0	0.23	0.21	0.343	0.205	1.676	12000316	(30WNA_60)	49	10	-1	%
49.0	13.3	-0.05	13.3	359.75	49.15	13.37	0.09	13.37	0.42	1.0	0.224	0.2	0.322	0.191	1.667	12000317	(30WNA_60)	49	13	0	%
48.47	18.17	0.5	18.18	1.59	48.59	18.23	0.63	18.24	2.0	1.0	0.19	0.165	0.248	0.156	1.415	12000318	(30WNA_60)	49	18	1	%
47.84	23.23	0.08	23.23	0.2	47.99	23.34	0.26	23.35	0.64	1.0	0.264	0.211	0.309	0.2	1.786	12000319	(30WNA_60)	48	23	0	%
48.76	27.97	0.29	27.97	0.61	48.92	28.05	0.45	28.06	0.92	1.0	0.239	0.197	0.255	0.191	1.791	12000320	(30WNA_60)	49	28	0	%
48.94	32.93	0.42	32.94	0.73	49.09	33.09	0.57	33.1	0.99	1.0	0.264	0.19	0.24	0.184	1.666	12000321	(30WNA_60)	49	33	0	%
49.09	-5.0	-0.37	5.02	184.32	49.23	-5.01	-0.24	5.02	182.8	1.0	0.189	0.183	0.193	0.18	1.506	12000322	(30WNA_60)	49	-5	0	%
49.07	-10.39	0.31	10.4	178.28	49.18	-10.33	0.42	10.34	177.66	1.0	0.166	0.151	0.153	0.151	1.241	12000323	(30WNA_60)	49	-10	0	%
49.5	-15.2	-0.04	15.2	180.15	49.65	-15.16	0.09	15.16	179.65	1.0	0.201	0.182	0.168	0.179	1.601	12000324	(30WNA_60)	50	-15	0	%
49.16	-19.48	0.4	19.48	178.81	49.28	-19.5	0.53	19.51	178.43	1.0	0.179	0.158	0.143	0.154	1.378	12000325	(30WNA_60)	49	-19	0	%
48.93	-24.46	0.64	24.47	178.5	49.07	-24.51	0.77	24.52	178.19	1.0	0.196	0.167	0.145	0.165	1.503	12000326	(30WNA_60)	49	-24	1	%
49.64	-29.59	0.11	29.59	179.77	49.76	-29.63	0.22	29.64	179.56	1.0	0.169	0.143	0.121	0.143	1.322	12000327	(30WNA_60)	50	-30	0	%
48.85	-33.84	-0.74	33.85	181.26	49.0	-33.97	-0.59	33.98	180.99	1.0	0.254	0.189	0.164	0.188	1.682	12000328	(30WNA_60)	49	-34	-1	%
49.08	-0.18	4.52	4.52	92.39	49.22	-0.16	4.64	4.65	92.04	1.0	0.185	0.171	0.176	0.173	1.453	12000329	(30WNA_60)	49	0	5	%
48.99	0.12	8.84	8.84	89.2	49.11	0.14	8.98	8.98	89.09	1.0	0.188	0.16	0.159	0.161	1.333	12000330	(30WNA_60)	49	0	9	%
48.79	-0.14	14.41	14.41	90.58	48.92	-0.12	14.57	14.57	90.47	1.0	0.207	0.166	0.157	0.168	1.444	12000331	(30WNA_60)	49	0	14	%
48.13	-0.56	19.8	19.8	91.62	48.28	-0.47	19.96	19.97	91.37	1.0	0.242	0.188	0.188	0.198	1.604	12000332	(30WNA_60)	48	-1	20	%
47.55	-0.74	24.16	24.17	91.75	47.69	-0.65	24.33	24.34	91.54	1.0	0.239	0.176	0.175	0.182	1.502	12000333	(30WNA_60)	48	-1	24	%
48.04	-0.5	28.58	28.58	91.01	48.19	-0.42	28.73	28.73	90.84	1.0	0.229	0.175	0.165	0.179	1.586	12000334	(30WNA_60)	48	0	29	%
48.03	-0.29	34.32	34.32	90.48	48.2	-0.2	34.52	34.52	90.34	1.0	0.271	0.19	0.178	0.192	1.718	12000335	(30WNA_60)	48	0	34	%
49.93	0.18	-5.5	5.51	271.94	50.09	0.21	-5.34	5.35	272.3	1.0	0.225	0.203	0.209	0.206	1.772	12000336	(30WNA_60)	50	0	-5	%
49.8	0.31	-9.96	9.97	271.82	49.92	0.33	-9.85	9.86	271.96	1.0	0.163	0.142	0.133	0.144	1.359	12000337	(30WNA_60)	50	0	-10	%
49.05	0.36	-14.84	14.85	271.41	49.18	0.39	-14.72	14.72	271.51	1.0	0.184	0.155	0.139	0.157	1.572	12000338	(30WNA_60)	49	0	-15	%
48.29	-0.24	-19.47	19.47	269.27	48.44	-0.27	-19.34	19.34	269.18	1.0	0.199	0.166	0.146	0.167	1.773	12000339	(30WNA_60)	48	0	-19	%
48.44	-0.24	-24.68	24.68	269.43	48.57	-0.22	-24.57	24.57	269.48	1.0	0.165	0.135	0.116	0.135	1.495	12000340	(30WNA_60)	49	0	-25	%
49.12	-0.03	-29.64	29.64	269.92	49.25	-0.06	-29.54	29.54	269.87	1.0	0.167	0.142	0.118	0.142	1.578	12000341	(30WNA_60)	49	0	-30	%
49.2	-0.17	-34.31	34.32	269.71	49.35	-0.25	-34.19	34.19	269.57	1.0	0.21	0.164	0.144	0.166	1.803	12000342	(30WNA_60)	49	0	-34	%
21.61	-26.1	-0.2	26.1	180.44	21.76	-26.03	-0.12	26.03	180.28	1.0	0.177	0.158	0.216	0.12	1.684	12000343	(30WNA_60)	22	-26	0	%
34.58	-0.2	14.04	14.04	90.83	34.73	-0.17	14.19	14.2	90.72	1.0	0.209	0.171	0.181	0.152	1.645	12000344	(30WNA_60)	35	0	14	%
48.94	-27.27	28.12	39.18	134.12	49.09	-27.3	28.31	39.33	133.96	1.0	0.237	0.171	0.15	0.168	1.531	12000345	(30WNA_60)	49	-27	28	%
59.7	10.55	-11.52	15.62	312.5	59.87	10.57	-11.35	15.51	312.98	1.0	0.235	0.204	0.233	0.19	1.729	12000346	(30WNA_60)	60	11	-11	%
25.36	22.18	-22.18	31.37	314.99	25.51	22.28	-22.07	31.36	315.27	1.0	0.215	0.183	0.25	0.155	2.039	12000347	(30WNA_60)	25	22	-22	%
24.68	29.93	-43.9	53.13	304.28	24.84	29.87	-43.81	53.02	304.28	1.0	0.193	0.16	0.204	0.118	2.194	12000348	(30WNA_60)	25	30	-44	%
16.96	0.11	-0.76	0.77	278.49	17.1	0.34	-0.66	0.75	297.02	1.0	0.284	0.282	0.436	0.364	1.636	12000349	(30WNA_60)	17	0	-1	%

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%L*a*b*	a*	b*	C*ab0	hab0	L*1	a*1	b*1	C*ab1	hab1	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																					
34.45	13.55	0.34	13.56	1.45	34.62	13.5	0.52	13.51	2.23	1.0	0.249	0.224	0.386	0.191	2.066	12000350	(30WNA_60)	35	14	0 %	
24.76	0.35	25.9	25.91	89.2	24.88	0.51	25.99	26.0	88.86	1.0	0.219	0.172	0.23	0.172	1.474	12000351	(30WNA_60)	25	0	26 %	
48.07	13.29	-13.81	19.17	313.89	48.19	13.31	-13.69	19.1	314.19	1.0	0.175	0.153	0.174	0.152	1.489	12000352	(30WNA_60)	48	13	-14 %	
71.83	20.44	-21.88	29.94	313.05	71.99	20.45	-21.72	29.84	313.26	1.0	0.216	0.178	0.164	0.149	1.481	12000353	(30WNA_60)	72	20	-22 %	
36.24	10.37	11.23	15.29	47.27	36.37	10.5	11.38	15.48	47.3	1.0	0.237	0.176	0.186	0.169	1.568	12000354	(30WNA_60)	36	10	11 %	
52.64	-28.59	-35.63	45.68	231.25	52.81	-28.87	-35.52	45.77	230.89	1.0	0.348	0.241	0.211	0.217	1.913	12000355	(30WNA_60)	53	-29	-36 %	
55.17	-1.19	2.58	2.84	114.85	55.29	-1.17	2.7	2.95	113.38	1.0	0.178	0.17	0.185	0.167	1.287	12000356	(30WNA_60)	55	-1	3 %	
20.63	26.96	0.64	26.97	1.37	20.78	27.18	0.78	27.19	1.65	1.0	0.298	0.205	0.316	0.17	1.823	12000357	(30WNA_60)	21	27	1 %	
62.81	-0.81	-13.06	13.09	266.41	62.95	-0.82	-12.92	12.95	266.33	1.0	0.2	0.168	0.143	0.15	1.457	12000358	(30WNA_60)	63	-1	-13 %	
48.99	26.32	-27.46	38.04	313.78	49.11	26.34	-27.35	37.98	313.92	1.0	0.166	0.138	0.135	0.14	1.488	12000359	(30WNA_60)	49	26	-27 %	
60.34	10.48	11.52	15.57	47.71	60.48	10.54	11.68	15.73	47.94	1.0	0.221	0.177	0.178	0.164	1.381	12000360	(30WNA_60)	60	11	12 %	
25.07	21.81	23.15	31.81	46.7	25.19	22.04	23.25	32.04	46.52	1.0	0.281	0.169	0.225	0.152	1.45	12000361	(30WNA_60)	25	22	23 %	
38.17	-11.98	-11.01	16.28	222.59	38.29	-12.07	-10.89	16.26	222.05	1.0	0.196	0.174	0.179	0.164	1.585	12000362	(30WNA_60)	38	-12	-11 %	
89.43	-3.65	4.45	5.76	129.39	89.61	-3.65	4.63	5.9	128.22	1.0	0.256	0.237	0.233	0.19	1.359	12000363	(30WNA_60)	90	-4	5 %	
62.99	-14.16	0.0	14.16	180.02	63.11	-14.17	0.12	14.17	179.47	1.0	0.183	0.167	0.151	0.147	1.244	12000364	(30WNA_60)	63	-14	0 %	
72.81	-0.52	-24.28	24.28	268.75	72.94	-0.53	-24.16	24.17	268.72	1.0	0.168	0.136	0.1	0.108	1.176	12000365	(30WNA_60)	73	-1	-24 %	
49.47	13.0	13.2	18.53	45.42	49.59	13.08	13.35	18.69	45.6	1.0	0.211	0.157	0.168	0.158	1.306	12000366	(30WNA_60)	50	13	13 %	
70.62	15.91	20.43	25.9	52.08	70.76	16.0	20.59	26.08	52.15	1.0	0.231	0.163	0.136	0.138	1.204	12000367	(30WNA_60)	71	16	21 %	
59.93	-12.31	-11.07	16.56	221.96	60.07	-12.32	-10.93	16.48	221.58	1.0	0.19	0.167	0.145	0.151	1.414	12000368	(30WNA_60)	60	-12	-11 %	
29.39	-19.88	-22.29	29.87	228.26	29.52	-20.0	-22.2	29.88	227.97	1.0	0.198	0.164	0.176	0.134	1.683	12000369	(30WNA_60)	29	-20	-22 %	
47.09	-57.66	35.28	67.6	148.53	47.21	-57.69	35.39	67.68	148.47	1.0	0.164	0.125	0.105	0.12	1.225	12000370	(30WNA_60)	47	-58	35 %	
76.41	-25.81	-0.82	25.82	181.82	76.56	-25.84	-0.66	25.85	181.48	1.0	0.22	0.189	0.144	0.155	1.328	12000371	(30WNA_60)	76	-26	-1 %	
63.55	-1.1	14.01	14.06	94.5	63.67	-1.0	14.16	14.19	94.05	1.0	0.215	0.174	0.193	0.189	1.172	12000372	(30WNA_60)	64	-1	14 %	
49.52	26.14	27.34	37.83	46.27	49.63	26.26	27.49	38.02	46.3	1.0	0.222	0.13	0.122	0.13	1.141	12000373	(30WNA_60)	50	26	27 %	
49.61	-13.76	-13.55	19.32	224.56	49.78	-13.83	-13.4	19.26	224.09	1.0	0.235	0.209	0.188	0.206	1.934	12000374	(30WNA_60)	50	-14	-13 %	
71.38	-23.37	-22.54	32.47	223.96	71.51	-23.44	-22.42	32.44	223.72	1.0	0.187	0.157	0.119	0.125	1.226	12000375	(30WNA_60)	71	-23	-22 %	
38.46	-11.39	11.41	16.13	134.95	38.6	-11.39	11.58	16.24	134.52	1.0	0.218	0.183	0.193	0.163	1.622	12000376	(30WNA_60)	39	-11	12 %	
81.47	-9.44	92.87	93.35	95.8	81.65	-9.37	93.14	93.61	95.74	1.0	0.33	0.191	0.142	0.141	1.374	12000377	(30WNA_60)	82	-9	93 %	
63.39	12.87	0.2	12.87	0.89	63.52	12.92	0.34	12.93	1.54	1.0	0.204	0.183	0.299	0.159	1.316	12000378	(30WNA_60)	63	13	0 %	
77.07	-1.22	28.15	28.18	92.49	77.22	-1.16	28.32	28.35	92.35	1.0	0.236	0.174	0.141	0.142	1.213	12000379	(30WNA_60)	77	-1	28 %	
35.77	-0.06	-13.65	13.65	269.73	35.88	-0.12	-13.54	13.54	269.45	1.0	0.17	0.144	0.157	0.143	1.512	12000380	(30WNA_60)	36	0	-14 %	
48.47	-27.21	-28.72	39.57	226.55	48.59	-27.33	-28.62	39.58	226.32	1.0	0.201	0.159	0.136	0.149	1.496	12000381	(30WNA_60)	49	-27	-29 %	
59.8	-11.87	10.92	16.13	137.38	59.93	-11.84	11.07	16.21	136.93	1.0	0.196	0.168	0.161	0.152	1.242	12000382	(30WNA_60)	60	-12	11 %	
26.33	-22.35	23.11	32.15	134.03	26.5	-22.25	23.31	32.23	133.67	1.0	0.278	0.223	0.259	0.181	2.013	12000383	(30WNA_60)	26	-22	23 %	
40.07	50.53	49.09	70.45	44.17	40.22	50.7	49.34	70.75	44.22	1.0	0.341	0.168	0.176	0.154	1.636	12000384	(30WNA_60)	40	51	49 %	
72.35	20.91	-3.63	21.22	350.14	72.5	20.98	-3.47	21.27	350.59	1.0	0.226	0.195	0.278	0.157	1.353	12000385	(30WNA_60)	72	21	-4 %	
35.98	-13.84	0.08	13.84	179.63	36.09	-13.95	0.19	13.95	179.2	1.0	0.187	0.157	0.167	0.148	1.406	12000386	(30WNA_60)	36	-14	0 %	
21.09	-0.09	-28.38	28.38	269.8	21.24	-0.23	-28.3	28.3	269.52	1.0	0.221	0.183	0.251	0.159	1.972	12000387	(30WNA_60)	21	0	-28 %	
48.68	-13.33	13.69	19.11	134.22	48.8	-13.25	13.83	19.15	133.77	1.0	0.198	0.171	0.171	0.169	1.329	12000388	(30WNA_60)	49	-13	14 %	
71.28	-22.52	21.61	31.21	136.17	71.43	-22.51	21.78	31.32	135.94	1.0	0.225	0.179	0.142	0.145	1.285	12000389	(30WNA_60)	71	-23	22 %	
37.48	11.12	-11.98	16.35	312.87	37.62	11.16	-11.85	16.28	313.29	1.0	0.201	0.179	0.225	0.164	1.844	12000390	(30WNA_60)	38	11	-12 %	
37.33	62.76	-8.5	63.33	352.28	37.48	62.99	-8.35	63.54	352.44	1.0	0.311	0.181	0.231	0.155	1.875	12000391	(30WNA_60)	37	63	-8 %	

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

%L*	a*	b*	C*ab	hab	L*	a*	b*	C*ab	hab	DV	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*
%CIELAB data for all colour (a) of experiment, iim=392, Kittelmann threshold data %																				
Minimum, maximum and average colour difference value																				
STRESS constant F and STRESS value S																				
iai+1 = 392, d_CIELABmin = 0.09, d_CIELABmax = 2.09, d_CIELABave = 0.41																				
iai+1 = 392, CIELAB_Fa = 0.41, CIELAB_STRESSa = 57.17																				
iai+1 = 392, d_CIELCHmin = 0.09, d_CIELCHmax = 2.09, d_CIELCHave = 0.41																				
iai+1 = 392, CIELCHFa = 0.41, CIELCHSTRESSa = 57.17																				
iai+1 = 392, d_C94LCHmin = 0.07, d_C94LCHmax = 1.36, d_C94LCHave = 0.28																				
iai+1 = 392, C94LCHFa = 0.28, C94LCHSTRESSa = 49.9																				
iai+1 = 392, d_CCMLCHmin = 0.1, d_CCMLCHmax = 1.98, d_CCMLCHave = 0.38																				
iai+1 = 392, CCMLCHFa = 0.38, CCMLCHSTRESSa = 57.54																				
iai+1 = 392, d_C00LCHmin = 0.1, d_C00LCHmax = 1.55, d_C00LCHave = 0.31																				
iai+1 = 392, C00LCHFa = 0.31, C00LCHSTRESSa = 50.42																				
iai+1 = 392, d_C85LCHmin = 0.35, d_C85LCHmax = 6.48, d_C85LCHave = 1.57																				
iai+1 = 392, C85LCHFa = 1.57, C85LCHSTRESSa = 48.71																				

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%XS2	YS2	ZS2	X02	Y02	Z02	X12	Y12	Z12	DV2	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
0096062	0100000	0106783	0006615	0004319	00019551	0006726	0004340	00020133	0001000	01333	01333	00407	00525	00407	04723	12000250	(30BYA_60)	25	30	-44	%
0096062	0100000	0106783	0002205	0002300	0002487	0002234	0002300	0002614	0001000	01141	01141	01129	01744	01297	04681	12000251	(30BYA_60)	17	0	-1	%
0096062	0100000	0106783	0009488	0008255	0008584	0009529	0008265	0008794	0001000	00706	00706	00574	01300	00517	03354	12000252	(30BYA_60)	35	14	0	%
0096062	0100000	0106783	0004200	0004345	0001111	0004219	0004355	0001210	0001000	01206	01206	00557	00653	00570	01898	12000253	(30BYA_60)	25	0	26	%
0096062	0100000	0106783	0018647	0016885	0025446	0018720	0016894	0025843	0001000	00698	00698	00394	00498	00394	03101	12000254	(30BYA_60)	48	13	-14	%
0096062	0100000	0106783	0048856	0043505	0069067	0049039	0043535	0070051	0001000	00884	00884	00401	00499	00402	03152	12000255	(30BYA_60)	72	20	-22	%
0096062	0100000	0106783	0010060	0009155	0006446	0010100	0009165	0006635	0001000	00761	00761	00578	01129	00647	02513	12000256	(30BYA_60)	36	10	11	%
0096062	0100000	0106783	0014632	0020775	0048413	0014774	0020805	0049218	0001000	01066	01066	00628	00601	00512	03811	12000257	(30BYA_60)	53	-29	-36	%
0096062	0100000	0106783	0021953	0023145	0023015	0022011	0023154	0023299	0001000	00523	00523	00458	00629	00507	01964	12000258	(30BYA_60)	55	-1	3	%
0096062	0100000	0106783	0004866	0003160	0003186	0004896	0003160	0003335	0001000	01016	01016	00699	01389	00627	04537	12000259	(30BYA_60)	21	27	1	%
0096062	0100000	0106783	0029932	0031430	0043877	0030033	0031450	0044426	0001000	00664	00664	00462	00590	00544	02557	12000260	(30BYA_60)	63	-1	-13	%
0096062	0100000	0106783	0022112	0017619	0035955	0022233	0017640	0036622	0001000	00931	00931	00368	00463	00369	04063	12000261	(30BYA_60)	49	26	-27	%
0096062	0100000	0106783	0030129	0028570	0022929	0030208	0028590	0023356	0001000	00742	00742	00561	01089	00630	02245	12000262	(30BYA_60)	60	11	12	%
0096062	0100000	0106783	0006059	0004450	0001366	0006078	0004450	0001514	0001000	01637	01637	00950	01600	01054	02868	12000263	(30BYA_60)	25	22	23	%
0096062	0100000	0106783	0008349	0010205	0015109	0008388	0010215	0015305	0001000	00498	00498	00398	00449	00403	02259	12000264	(30BYA_60)	38	-12	-11	%
0096062	0100000	0106783	0070500	0075255	0074063	0070653	0075284	0074936	0001000	00719	00719	00571	00738	00599	01989	12000265	(30BYA_60)	90	-4	5	%
0096062	0100000	0106783	0026720	0031635	0033539	0026792	0031644	0033942	0001000	00587	00587	00461	00526	00449	02156	12000266	(30BYA_60)	63	-14	0	%
0096062	0100000	0106783	0042931	0044955	0074113	0043106	0044985	0075074	0001000	00848	00848	00479	00573	00529	02945	12000267	(30BYA_60)	73	-1	-24	%
0096062	0100000	0106783	0019796	0018020	0013087	0019848	0018020	0013353	0001000	00717	00717	00534	01038	00601	02153	12000268	(30BYA_60)	50	13	13	%
0096062	0100000	0106783	0045408	0041730	0028360	0045506	0041750	0028876	0001000	00782	00782	00501	00858	00566	01851	12000269	(30BYA_60)	71	16	21	%
0096062	0100000	0106783	0024024	0028110	0037962	0024130	0028130	0038540	0001000	00785	00785	00623	00700	00624	03029	12000270	(30BYA_60)	60	-12	-11	%
0096062	0100000	0106783	0004156	0006005	0013456	0004205	0006015	0013729	0001000	00851	00851	00586	00585	00514	03533	12000271	(30BYA_60)	29	-20	-22	%
0096062	0100000	0106783	0007555	0016125	0005162	0007605	0016134	0005439	0001000	01319	01319	00488	00536	00433	02066	12000272	(30BYA_60)	47	-58	35	%
0096062	0100000	0106783	0039764	0050670	0054585	0039875	0050690	0055178	0001000	00629	00629	00426	00424	00420	02014	12000273	(30BYA_60)	76	-26	-1	%
0096062	0100000	0106783	0030717	0032314	0024719	0030806	0032325	0025151	0001000	00755	00755	00476	00594	00541	02079	12000274	(30BYA_60)	64	-1	14	%
0096062	0100000	0106783	0022615	0018055	0008259	0022662	0018064	0008495	0001000	00801	00801	00451	00763	00507	01674	12000275	(30BYA_60)	50	26	27	%
0096062	0100000	0106783	0014980	0018155	0026990	0015051	0018164	0027363	0001000	00673	00673	00517	00563	00509	02769	12000276	(30BYA_60)	50	-14	-13	%
0096062	0100000	0106783	0033876	0042825	0069011	0034025	0042855	0069833	0001000	00777	00777	00518	00505	00452	02625	12000277	(30BYA_60)	71	-23	-22	%
0096062	0100000	0106783	0008568	0010380	0007376	0008608	0010380	0007606	0001000	00911	00911	00556	00655	00549	02894	12000278	(30BYA_60)	39	-11	12	%
0096062	0100000	0106783	0034450	0032125	0033877	0034523	0032135	0034331	0001000	00629	00629	00516	01170	00466	02383	12000279	(30BYA_60)	82	-9	93	%
0096062	0100000	0106783	0049226	0051760	0030617	0049350	0051780	0031265	0001000	00945	00945	00433	00520	00453	01875	12000280	(30BYA_60)	63	13	0	%
0096062	0100000	0106783	0008532	0008905	0014462	0008563	0008915	0014653	0001000	00455	00455	00302	00377	00346	02271	12000281	(30BYA_60)	77	-1	28	%
0096062	0100000	0106783	0012078	0017199	0036307	0012178	0017220	0036845	0001000	00865	00865	00542	00517	00456	03245	12000282	(30BYA_60)	36	0	-14	%
0096062	0100000	0106783	0024006	0027965	0022711	0024091	0027974	0023185	0001000	00875	00875	00541	00638	00530	02615	12000283	(30BYA_60)	49	-27	-29	%
0096062	0100000	0106783	0003154	0004875	0001576	0003185	0004885	0001724	0001000	01478	01478	00707	00799	00681	02699	12000284	(30BYA_60)	60	-12	11	%
0096062	0100000	0106783	0019232	0011325	0001353	0019264	0011335	0001502	0001000	01621	01621	00643	01104	00754	01388	12000285	(30BYA_60)	26	-22	23	%
0096062	0100000	0106783	0049893	0044280	0050319	0050020	0044300	0051044	0001000	00774	00774	00544	01070	00473	02731	12000286	(30BYA_60)	40	51	49	%
0096062	0100000	0106783	0007135	0009015	0009507	0007164	0009025	0009665	0001000	00503	00503	00399	00457	00387	02337	12000287	(30BYA_60)	72	21	-4	%
0096062	0100000	0106783	0003121	0003280	0010427	0003160	0003280	0010633	0001000	00896	00896	00538	00643	00602	03436	12000288	(30BYA_60)	36	-14	0	%
0096062	0100000	0106783	0014390	0017375	0012344	0014450	0017384	0012661	0001000	00864	00864	00497	00578	00485	02554	12000289	(30BYA_60)	21	0	-28	%
0096062	0100000	0106783	0034037	0042695	0028272	0034159	0042725	0028922	0001000	00999	00999	00476	00538	00458	02261	12000290	(30BYA_60)	49	-13	14	%
0096062	0100000	0106783	0010855	0009830	0015001	0010903	0009830	0015227	0001000	00630	00630	00370	00441	00387	02880	12000291	(30BYA_60)	71	-23	22	%
0096062	0100000	0106783	0019313	0009750	0013420	0019363	0009750	0013668	0001000	00663	00663	00307	00556	00259	0						

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%XS2	YS2	ZS2	X02	Y02	Z02	X12	Y12	Z12	DV2	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
0096062	0100000	0106783	0004185	0004330	0001155	0004234	0004370	0001165	0001000	00219	00219	00172	00230	00172	01474	12000350	(30WNA_60)	35	14	0	0 %
0096062	0100000	0106783	0018628	0016840	0025613	0018738	0016939	0025674	0001000	00175	00175	00153	00174	00152	01489	12000351	(30WNA_60)	25	0	26	26 %
0096062	0100000	0106783	0048822	0043405	0069487	0049073	0043635	0069627	0001000	00216	00216	00178	00164	00149	01481	12000352	(30WNA_60)	48	13	-14	-14 %
0096062	0100000	0106783	0010035	0009125	0006530	0010125	0009195	0006550	0001000	00237	00237	00176	00186	00169	01568	12000353	(30WNA_60)	72	20	-22	-22 %
0096062	0100000	0106783	0014667	0020715	0048732	0014738	0020865	0048894	0001000	00348	00348	00241	00211	00217	01913	12000354	(30WNA_60)	36	10	11	11 %
0096062	0100000	0106783	0021922	0023090	0023131	0022042	0023210	0023181	0001000	00178	00178	00170	00185	00167	01287	12000355	(30WNA_60)	53	-29	-36	-36 %
0096062	0100000	0106783	0004846	0003140	0003250	0004916	0003180	0003270	0001000	00298	00298	00205	00316	00170	01823	12000356	(30WNA_60)	55	-1	3	3 %
0096062	0100000	0106783	0029903	0031355	0044104	0030063	0031525	0044196	0001000	00200	00200	00168	00143	00150	01457	12000357	(30WNA_60)	21	27	1	1 %
0096062	0100000	0106783	0022112	0017580	0036247	0022232	0017679	0036327	0001000	00166	00166	00138	00135	00140	01488	12000358	(30WNA_60)	63	-1	-13	-13 %
0096062	0100000	0106783	0030078	0028500	0032117	0020258	0028660	0032167	0001000	00221	00221	00177	00178	00164	01381	12000359	(30WNA_60)	49	26	-27	-27 %
0096062	0100000	0106783	0006034	0004430	0001434	0006104	0004470	0001444	0001000	00281	00281	00169	00225	00152	01450	12000360	(30WNA_60)	60	11	12	12 %
0096062	0100000	0106783	0008343	0010175	0015186	0008393	0010245	0015226	0001000	00196	00196	00174	00179	00164	01585	12000361	(30WNA_60)	25	22	23	23 %
0096062	0100000	0106783	0070396	0075079	0074422	0070757	0075460	0074574	0001000	00256	00256	00237	00233	00190	01359	12000362	(30WNA_60)	38	-12	-11	-11 %
0096062	0100000	0106783	0026691	0031564	0032710	0026821	0031715	0032770	0001000	00183	00183	00167	00151	00147	01244	12000363	(30WNA_60)	90	-4	5	5 %
0096062	0100000	0106783	0042929	0044875	0074527	0043108	0045065	0074657	0001000	00168	00168	00136	00100	00108	01176	12000364	(30WNA_60)	63	-14	0	0 %
0096062	0100000	0106783	0019762	0017970	0013209	0019882	0018070	0013230	0001000	00211	00211	00157	00168	00158	01306	12000365	(30WNA_60)	73	-1	-24	-24 %
0096062	0100000	0106783	0045337	0041640	0028592	0045577	0041840	0028643	0001000	00231	00231	00163	00136	00138	01204	12000366	(30WNA_60)	50	13	13	13 %
0096062	0100000	0106783	0024011	0028045	0038209	0024142	0028195	0038289	0001000	00190	00190	00167	00145	00151	01414	12000367	(30WNA_60)	71	16	21	21 %
0096062	0100000	0106783	0004166	0005985	0013566	0004196	0006035	0013617	0001000	00198	00198	00164	00176	00134	01683	12000368	(30WNA_60)	60	-12	-11	-11 %
0096062	0100000	0106783	0007555	0016084	0005290	0007605	0016174	0005310	0001000	00164	00164	00125	00105	00120	01225	12000369	(30WNA_60)	29	-20	-22	-22 %
0096062	0100000	0106783	0039720	0050555	0054826	0039919	0050805	0054935	0001000	00220	00220	00189	00144	00155	01328	12000370	(30WNA_60)	47	-58	35	35 %
0096062	0100000	0106783	0030677	0032244	0024914	0030847	0032395	0024955	0001000	00215	00215	00174	00193	00189	01172	12000371	(30WNA_60)	76	-26	-1	-1 %
0096062	0100000	0106783	0022574	0018015	0008372	0022703	0018105	0008382	0001000	00222	00222	00130	00122	00130	01141	12000372	(30WNA_60)	64	-1	14	14 %
0096062	0100000	0106783	0014960	0018090	0027131	0015070	0018230	0027221	0001000	00235	00235	00209	00188	00206	01934	12000373	(30WNA_60)	50	26	27	27 %
0096062	0100000	0106783	0033880	0042745	0069356	0034020	0042935	0069485	0001000	00187	00187	00157	00119	00125	01226	12000374	(30WNA_60)	50	-14	-13	-13 %
0096062	0100000	0106783	0008553	0010340	0007480	0008623	0010420	0007500	0001000	00218	00218	00183	00193	00163	01622	12000375	(30WNA_60)	71	-23	-22	-22 %
0096062	0100000	0106783	0053231	0059325	0005661	0053561	0059655	0005671	0001000	00330	00330	00191	00142	00141	01374	12000376	(30WNA_60)	39	-11	12	12 %
0096062	0100000	0106783	0034396	0032050	0034073	0034577	0032210	0034134	0001000	00204	00204	00183	00299	00159	01316	12000377	(30WNA_60)	82	-9	93	93 %
0096062	0100000	0106783	0049158	0051645	0030910	0049418	0051895	0030970	0001000	00236	00236	00174	00141	00142	01213	12000378	(30WNA_60)	63	13	0	0 %
0096062	0100000	0106783	0008523	0008880	0014537	0008573	0008940	0014577	0001000	00170	00170	00144	00157	00143	01512	12000379	(30WNA_60)	77	-1	28	28 %
0096062	0100000	0106783	0012097	0017160	0036529	0012158	0017259	0036621	0001000	00201	00201	00159	00136	00149	01496	12000380	(30WNA_60)	36	0	-14	-14 %
0096062	0100000	0106783	0023984	0027900	0022926	0024114	0028039	0022967	0001000	00196	00196	00168	00161	00152	01242	12000381	(30WNA_60)	49	-27	-29	-29 %
0096062	0100000	0106783	0003145	0004850	0001644	0003194	0004910	0001654	0001000	00278	00278	00223	00259	00181	02013	12000382	(30WNA_60)	60	-12	11	11 %
0096062	0100000	0106783	0019168	0011285	0001427	0019328	0011375	0001427	0001000	00341	00341	00168	00176	00154	01636	12000383	(30WNA_60)	26	-22	23	23 %
0096062	0100000	0106783	0049826	0044180	0050635	0050087	0044400	0050726	0001000	00226	00226	00195	00278	00157	01353	12000384	(30WNA_60)	40	51	49	49 %
0096062	0100000	0106783	0007130	0008990	0009571	0007170	0009050	0009601	0001000	00187	00187	00157	00167	00148	01406	12000385	(30WNA_60)	72	21	-4	-4 %
0096062	0100000	0106783	0003125	0003260	0010499	0003156	0003300	0010559	0001000	00221	00221	00183	00251	00159	01972	12000386	(30WNA_60)	36	-14	0	0 %
0096062	0100000	0106783	0014370	0017330	0012487	0014470	0017429	0012517	0001000	00198	00198	00171	00169	00139	01329	12000387	(30WNA_60)	21	0	-28	-28 %
0096062	0100000	0106783	0034003	0042600	0028566	0034193	0042820	0028626	0001000	00225	00225	00179	00142	00145	01285	12000388	(30WNA_60)	49	-13	14	14 %
0096062	0100000	0106783	0010834	0009790	0015088	0010924	0009870	0015139	0001000	00201	00201	00179	00225	00164	01844	12000389	(30WNA_60)	71	-23	22	22 %
0096062	0100000	0106783	0019253	0009710	0013524	0019423	0009790	0013564	0001000	00311	00311	00181	00231	00155	01875	12000390	(30WNA_60)	38	11	-12	-12 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

%XS2	YS2	ZS2	X02	Y02	Z02	X12	Y12	Z12	DV2	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
Minimum, maximum and average colour difference value																					
STRESS constant F and STRESS value S																					
i2i+1 = 391, d_CIELABmin2 = 0.09, d_CIELABmax2 = 1.76, d_CIELABave2 = 0.41																					
i2i+1 = 391, CIELABF2 = 0.41, CIELABSTRESS2 = 55.92																					
i2i+1 = 391, d_CIELCHmin2 = 0.09, d_CIELCHmax2 = 1.76, d_CIELCHave2 = 0.41																					
i2i+1 = 391, CIELCHF2 = 0.41, CIELCHSTRESS2 = 55.92																					
i2i+1 = 391, d_C94LCHmin2 = 0.07, d_C94LCHmax2 = 1.36, d_C94LCHave2 = 0.28																					
i2i+1 = 391, C94LCHF2 = 0.28, C94LCHSTRESS2 = 49.96																					
i2i+1 = 391, d_CCMLCHmin2 = 0.1, d_CCMLCHmax2 = 1.98, d_CCMLCHave2 = 0.38																					
i2i+1 = 391, CCMLCHF2 = 0.38, CCMLCHSTRESS2 = 57.61																					
i2i+1 = 391, d_C00LCHmin2 = 0.1, d_C00LCHmax2 = 1.55, d_C00LCHave2 = 0.31																					
i2i+1 = 391, C00LCHF2 = 0.31, C00LCHSTRESS2 = 50.49																					
i2i+1 = 391, d_C85LCHmin2 = 0.35, d_C85LCHmax2 = 6.48, d_C85LCHave2 = 1.57																					
i2i+1 = 391, C85LCHF2 = 1.57, C85LCHSTRESS2 = 48.7																					

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
48.81	-0.11	-0.03	0.11	195.62	48.85	0.11	0.03	0.11	15.62	1.0	0.239	0.239	0.368	0.348	0.706	12000000	(30RCA_60)	49	0	0	0 %
88.99	-2.35	1.18	2.63	153.36	89.03	-2.02	1.25	2.38	148.23	1.0	0.34	0.314	0.431	0.441	0.635	12000001	(30RCA_60)	89	-2	1	1 %
9.44	-0.49	0.34	0.6	145.53	9.52	-0.12	0.47	0.49	104.32	1.0	0.406	0.403	0.612	0.57	1.049	12000002	(30RCA_60)	9	0	0	0 %
48.26	37.72	0.9	37.73	1.37	48.35	38.03	1.05	38.05	1.59	1.0	0.358	0.172	0.233	0.167	1.234	12000003	(30RCA_60)	48	38	1	1 %
48.18	-39.04	0.32	39.04	179.51	48.26	-38.46	0.45	38.46	179.32	1.0	0.595	0.237	0.27	0.238	1.236	12000004	(30RCA_60)	48	-39	0	0 %
47.41	-0.14	39.06	39.06	90.21	47.46	0.21	39.15	39.15	89.69	1.0	0.373	0.234	0.307	0.272	0.991	12000005	(30RCA_60)	47	0	39	39 %
48.71	-0.35	-39.2	39.2	269.48	48.76	-0.11	-39.11	39.11	269.82	1.0	0.254	0.158	0.177	0.176	0.923	12000006	(30RCA_60)	49	0	-39	-39 %
53.91	-0.58	0.21	0.62	159.59	53.93	-0.39	0.25	0.46	147.06	1.0	0.198	0.194	0.291	0.285	0.494	12000007	(30RCA_60)	54	0	0	0 %
59.14	-1.12	0.74	1.35	146.49	59.17	-0.95	0.79	1.24	140.25	1.0	0.18	0.174	0.25	0.248	0.478	12000008	(30RCA_60)	59	-1	1	1 %
63.28	-0.83	0.92	1.24	132.24	63.31	-0.64	0.96	1.15	123.79	1.0	0.197	0.192	0.276	0.278	0.469	12000009	(30RCA_60)	63	-1	1	1 %
68.32	-1.5	1.33	2.01	138.6	68.35	-1.3	1.38	1.9	133.41	1.0	0.211	0.202	0.281	0.285	0.491	12000010	(30RCA_60)	68	-1	1	1 %
73.32	-1.42	0.95	1.71	146.16	73.35	-1.2	0.99	1.56	140.42	1.0	0.219	0.209	0.296	0.299	0.466	12000011	(30RCA_60)	73	-1	1	1 %
78.23	-1.58	1.19	1.98	143.07	78.26	-1.42	1.24	1.88	138.82	1.0	0.175	0.167	0.232	0.233	0.402	12000012	(30RCA_60)	78	-2	1	1 %
82.98	-1.24	0.54	1.36	156.55	83.01	-1.0	0.59	1.16	149.3	1.0	0.252	0.242	0.348	0.347	0.501	12000013	(30RCA_60)	83	-1	1	1 %
45.21	-1.44	1.46	2.05	134.44	45.22	-1.31	1.49	1.98	131.26	1.0	0.133	0.127	0.177	0.181	0.351	12000014	(30RCA_60)	45	-1	1	1 %
38.83	-0.43	0.37	0.56	139.26	38.85	-0.27	0.4	0.48	124.29	1.0	0.161	0.158	0.238	0.233	0.455	12000015	(30RCA_60)	39	0	0	0 %
34.3	-0.63	0.99	1.18	122.52	34.32	-0.44	1.03	1.12	113.36	1.0	0.194	0.19	0.275	0.278	0.557	12000016	(30RCA_60)	34	-1	1	1 %
29.14	-0.26	0.9	0.94	106.41	29.17	-0.14	0.94	0.95	98.79	1.0	0.129	0.128	0.186	0.183	0.474	12000017	(30RCA_60)	29	0	1	1 %
24.24	-0.3	0.87	0.92	109.39	24.27	-0.15	0.93	0.94	99.67	1.0	0.162	0.16	0.234	0.229	0.587	12000018	(30RCA_60)	24	0	1	1 %
19.28	-0.44	0.51	0.68	131.26	19.32	-0.25	0.58	0.63	114.04	1.0	0.206	0.204	0.305	0.288	0.716	12000019	(30RCA_60)	19	0	1	1 %
13.85	0.3	-0.18	0.35	328.14	13.91	0.56	-0.08	0.57	351.2	1.0	0.289	0.286	0.444	0.401	0.903	12000020	(30RCA_60)	14	0	0	0 %
48.61	4.16	-0.58	4.2	352.05	48.63	4.32	-0.53	4.36	352.9	1.0	0.171	0.147	0.2	0.197	0.488	12000021	(30RCA_60)	49	4	-1	-1 %
49.06	9.4	-0.69	9.43	355.77	49.09	9.6	-0.63	9.62	356.23	1.0	0.214	0.157	0.227	0.193	0.643	12000022	(30RCA_60)	49	10	-1	-1 %
49.05	13.19	-0.03	13.19	359.86	49.11	13.48	0.07	13.48	0.31	1.0	0.312	0.21	0.297	0.243	0.993	12000023	(30RCA_60)	49	13	0	0 %
48.51	18.08	0.54	18.09	1.71	48.55	18.32	0.6	18.33	1.89	1.0	0.245	0.142	0.182	0.159	0.68	12000024	(30RCA_60)	49	18	1	1 %
47.88	23.11	0.12	23.11	0.29	47.94	23.46	0.22	23.46	0.55	1.0	0.366	0.196	0.256	0.204	1.061	12000025	(30RCA_60)	48	23	0	0 %
48.8	27.85	0.31	27.85	0.64	48.88	28.18	0.44	28.18	0.89	1.0	0.358	0.185	0.251	0.184	1.133	12000026	(30RCA_60)	49	28	0	0 %
48.98	32.82	0.43	32.82	0.76	49.05	33.2	0.56	33.21	0.96	1.0	0.409	0.189	0.246	0.187	1.168	12000027	(30RCA_60)	49	33	0	0 %
49.14	-5.07	-0.34	5.08	183.87	49.18	-4.94	-0.28	4.95	183.24	1.0	0.144	0.122	0.154	0.154	0.544	12000028	(30RCA_60)	49	-5	0	0 %
49.11	-10.49	0.34	10.49	178.12	49.14	-10.24	0.38	10.25	177.83	1.0	0.255	0.176	0.21	0.223	0.58	12000029	(30RCA_60)	49	-10	0	0 %
49.55	-15.35	-0.01	15.35	180.05	49.6	-15.02	0.06	15.02	179.74	1.0	0.342	0.211	0.241	0.249	0.859	12000030	(30RCA_60)	50	-15	0	0 %
49.2	-19.64	0.42	19.64	178.76	49.25	-19.34	0.5	19.35	178.49	1.0	0.312	0.178	0.198	0.197	0.81	12000031	(30RCA_60)	49	-19	0	0 %
48.97	-24.68	0.65	24.69	178.48	49.03	-24.29	0.75	24.3	178.21	1.0	0.403	0.208	0.229	0.219	0.996	12000032	(30RCA_60)	49	-24	1	1 %
49.67	-29.8	0.13	29.8	179.74	49.72	-29.42	0.2	29.42	179.59	1.0	0.392	0.178	0.201	0.183	0.831	12000033	(30RCA_60)	50	-30	0	0 %
48.89	-34.13	-0.73	34.14	181.22	48.97	-33.68	-0.6	33.69	181.03	1.0	0.475	0.208	0.231	0.21	1.149	12000034	(30RCA_60)	49	-34	-1	-1 %
49.14	-0.26	4.56	4.57	93.28	49.16	-0.09	4.6	4.6	91.16	1.0	0.175	0.163	0.237	0.246	0.485	12000035	(30RCA_60)	49	0	5	5 %
49.04	0.04	8.89	8.89	89.69	49.06	0.21	8.93	8.93	88.6	1.0	0.177	0.155	0.259	0.236	0.483	12000036	(30RCA_60)	49	0	9	9 %
48.84	-0.21	14.46	14.46	90.86	48.87	-0.04	14.52	14.52	90.18	1.0	0.187	0.151	0.236	0.223	0.572	12000037	(30RCA_60)	49	0	14	14 %
48.19	-0.66	19.86	19.87	91.91	48.22	-0.37	19.9	19.9	91.08	1.0	0.294	0.226	0.336	0.318	0.715	12000038	(30RCA_60)	48	-1	20	20 %
47.61	-0.84	24.22	24.24	91.99	47.63	-0.55	24.27	24.27	91.3	1.0	0.297	0.218	0.31	0.28	0.725	12000039	(30RCA_60)	48	-1	24	24 %
48.1	-0.6	28.63	28.64	91.21	48.13	-0.31	28.68	28.68	90.63	1.0	0.293	0.205	0.283	0.247	0.713	12000040	(30RCA_60)	48	0	29	29 %
48.1	-0.36	34.39	34.39	90.61	48.14	-0.13	34.45	34.45	90.22	1.0	0.245	0.161	0.213	0.187	0.667	12000041	(30RCA_60)	48	0	34	34 %
50.0	0.11	-5.44	5.45	271.25	50.02	0.28	-5.4	5.41	272.99	1.0	0.17	0.157	0.226	0.237	0.486	12000042	(30RCA_60)	50	0	-5	-5 %
49.85	0.27	-9.93	9.93	271.57	49.88	0.38	-9.89	9.89	272.22	1.0	0.12	0.103	0.152	0.155	0.409	12000043	(30RCA_60)	50	0	-10	-10 %
49.1	0.32	-14.8	14.8	271.24	49.13	0.43	-14.76	14.76	271.69	1.0	0.124	0.1	0.137	0.146	0.43	12000044	(30RCA_60)	49	0	-15	-15 %
48.35	-0.34	-19.44	19.44	268.97	48.39	-0.17	-19.37	19.37	269.49	1.0	0.191	0.145	0.184	0.195	0.673	12000045	(30RCA_60)	48	0	-19	-19 %
48.49	-0.34	-24.65	24.65	269.19	48.52	-0.11	-24.61	24.61	269.72	1.0	0.234	0.169	0.208	0.21	0.637	12000046	(30RCA_60)	49	0	-25	-25 %
49.17	-0.16	-29.61	29.61	269.68	49.2	0.06	-29.57	29.57	270.11	1.0	0.23	0.159	0.189	0.184	0.629	12000047	(30RCA_60)	49	0	-30	-30 %
49.25	-0.32	-34.28	34.28	269.45	49.29	-0.1	-34.22	34.22	269.83	1.0	0.237	0.155	0.178	0.174	0.75	12000048	(30RCA_60)	49	0	-34	-34 %
21.67	-26.45	-0.19	26.45	180.42	21.7	-25.68	-0.13	25.68	180.3	1.0	0.769	0.354	0.41	0.374	1.092	12000049	(30RCA_60)	22	-26	0	0 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
34.65	-0.28	14.1	14.1	91.15	34.67	-0.09	14.14	14.14	90.4	1.0	0.188	0.155	0.249	0.234	0.525	12000050	(30RCA_60)	35	0	14	%
48.98	-27.46	28.16	39.34	134.28	49.05	-27.11	28.27	39.17	133.79	1.0	0.375	0.225	0.233	0.205	0.856	12000051	(30RCA_60)	49	-27	28	%
59.77	10.43	-11.46	15.5	312.3	59.8	10.7	-11.4	15.63	313.17	1.0	0.274	0.21	0.359	0.256	0.686	12000052	(30RCA_60)	60	11	-11	%
25.41	22.09	-22.18	31.3	314.88	25.47	22.37	-22.07	31.43	315.38	1.0	0.307	0.202	0.31	0.208	1.159	12000053	(30RCA_60)	25	22	-22	%
24.74	29.81	-43.88	53.05	304.19	24.78	29.98	-43.83	53.1	304.37	1.0	0.183	0.102	0.142	0.124	0.622	12000054	(30RCA_60)	25	30	-44	%
17.01	0.11	-0.75	0.76	278.77	17.06	0.33	-0.67	0.75	296.61	1.0	0.241	0.238	0.355	0.341	0.811	12000055	(30RCA_60)	17	0	-1	%
34.5	13.42	0.38	13.42	1.64	34.56	13.63	0.48	13.64	2.04	1.0	0.243	0.167	0.248	0.185	0.975	12000056	(30RCA_60)	35	14	0	%
24.81	0.29	25.92	25.92	89.34	24.84	0.57	25.98	25.98	88.72	1.0	0.289	0.206	0.295	0.258	0.8	12000057	(30RCA_60)	25	0	26	%
48.12	13.22	-13.77	19.1	313.83	48.14	13.37	-13.73	19.17	314.24	1.0	0.158	0.117	0.193	0.134	0.476	12000058	(30RCA_60)	48	13	-14	%
71.89	20.33	-21.83	29.83	312.95	71.93	20.56	-21.77	29.94	313.36	1.0	0.245	0.161	0.243	0.171	0.6	12000059	(30RCA_60)	72	20	-22	%
36.29	10.32	11.27	15.28	47.51	36.32	10.55	11.34	15.49	47.06	1.0	0.238	0.159	0.251	0.201	0.703	12000060	(30RCA_60)	36	10	11	%
52.69	-28.84	-35.64	45.85	231.02	52.76	-28.62	-35.51	45.61	231.12	1.0	0.264	0.12	0.122	0.116	1.171	12000061	(30RCA_60)	53	-29	-36	%
55.22	-1.25	2.62	2.91	115.53	55.24	-1.11	2.66	2.88	112.67	1.0	0.148	0.142	0.194	0.203	0.387	12000062	(30RCA_60)	55	-1	3	%
20.67	26.86	0.65	26.87	1.39	20.75	27.28	0.78	27.29	1.64	1.0	0.444	0.222	0.3	0.218	1.27	12000063	(30RCA_60)	21	27	1	%
62.86	-0.9	-13.02	13.05	266.04	62.9	-0.74	-12.97	12.99	266.7	1.0	0.169	0.137	0.187	0.195	0.505	12000064	(30RCA_60)	63	-1	-13	%
49.03	26.22	-27.44	37.96	313.7	49.07	26.43	-27.38	38.06	313.99	1.0	0.222	0.134	0.197	0.143	0.675	12000065	(30RCA_60)	49	26	-27	%
60.39	10.38	11.56	15.54	48.08	60.44	10.63	11.64	15.77	47.57	1.0	0.272	0.181	0.282	0.227	0.682	12000066	(30RCA_60)	60	11	12	%
25.1	21.79	23.15	31.79	46.73	25.16	22.07	23.25	32.06	46.5	1.0	0.304	0.154	0.219	0.157	0.897	12000067	(30RCA_60)	25	22	23	%
38.2	-12.13	-11.0	16.38	222.19	38.26	-11.92	-10.91	16.16	222.45	1.0	0.236	0.149	0.168	0.173	0.908	12000068	(30RCA_60)	38	-12	-11	%
89.5	-3.76	4.51	5.88	129.8	89.54	-3.54	4.57	5.78	127.78	1.0	0.229	0.206	0.283	0.276	0.437	12000069	(30RCA_60)	90	-4	5	%
63.03	-14.32	0.02	14.32	179.89	63.07	-14.01	0.09	14.01	179.6	1.0	0.32	0.202	0.232	0.241	0.704	12000070	(30RCA_60)	63	-14	0	%
72.86	-0.65	-24.24	24.25	268.45	72.89	-0.41	-24.2	24.2	269.02	1.0	0.248	0.181	0.222	0.223	0.533	12000071	(30RCA_60)	73	-1	-24	%
49.51	12.92	13.24	18.5	45.71	49.55	13.16	13.31	18.72	45.32	1.0	0.25	0.157	0.242	0.19	0.65	12000072	(30RCA_60)	50	13	13	%
70.67	15.8	20.47	25.86	52.32	70.72	16.11	20.56	26.12	51.92	1.0	0.321	0.185	0.276	0.206	0.725	12000073	(30RCA_60)	71	16	21	%
59.97	-12.48	-11.05	16.67	221.5	60.03	-12.15	-10.96	16.36	222.04	1.0	0.352	0.223	0.251	0.266	0.89	12000074	(30RCA_60)	60	-12	-11	%
29.43	-20.04	-22.29	29.98	228.03	29.48	-19.84	-22.2	29.78	228.21	1.0	0.225	0.117	0.13	0.111	0.918	12000075	(30RCA_60)	29	-20	-22	%
47.11	-57.92	35.27	67.82	148.65	47.19	-57.43	35.4	67.46	148.34	1.0	0.518	0.217	0.224	0.193	0.979	12000076	(30RCA_60)	47	-58	35	%
76.46	-26.03	-0.79	26.05	181.74	76.51	-25.61	-0.69	25.62	181.56	1.0	0.433	0.21	0.234	0.217	0.79	12000077	(30RCA_60)	76	-26	-1	%
63.6	-1.16	14.06	14.11	94.74	63.62	-0.94	14.11	14.14	93.81	1.0	0.234	0.193	0.304	0.289	0.512	12000078	(30RCA_60)	64	-1	14	%
49.55	26.06	27.37	37.79	46.4	49.6	26.35	27.45	38.05	46.17	1.0	0.306	0.145	0.21	0.155	0.757	12000079	(30RCA_60)	50	26	27	%
49.67	-13.96	-13.52	19.43	224.08	49.72	-13.63	-13.44	19.14	224.58	1.0	0.341	0.209	0.232	0.24	0.9	12000080	(30RCA_60)	50	-14	-13	%
71.42	-23.6	-22.52	32.62	223.66	71.47	-23.21	-22.44	32.29	224.02	1.0	0.395	0.199	0.21	0.188	0.773	12000081	(30RCA_60)	71	-23	-22	%
38.51	-11.49	11.47	16.23	135.06	38.55	-11.3	11.53	16.14	134.42	1.0	0.206	0.158	0.192	0.179	0.583	12000082	(30RCA_60)	39	-11	12	%
81.54	-9.59	92.96	93.46	95.89	81.59	-9.22	93.05	93.51	95.65	1.0	0.388	0.166	0.216	0.2	0.687	12000083	(30RCA_60)	82	-9	93	%
63.43	12.76	0.23	12.76	1.07	63.47	13.03	0.3	13.03	1.36	1.0	0.281	0.185	0.24	0.22	0.686	12000084	(30RCA_60)	63	13	0	%
77.13	-1.32	28.21	28.24	92.68	77.16	-1.07	28.26	28.28	92.17	1.0	0.256	0.18	0.245	0.215	0.5	12000085	(30RCA_60)	77	-1	28	%
35.82	-0.14	-13.61	13.61	269.41	35.83	-0.05	-13.58	13.58	269.78	1.0	0.097	0.079	0.109	0.114	0.374	12000086	(30RCA_60)	36	0	-14	%
48.49	-27.42	-28.74	39.72	226.34	48.57	-27.12	-28.61	39.43	226.52	1.0	0.328	0.15	0.159	0.145	1.211	12000087	(30RCA_60)	49	-27	-29	%
59.84	-12.04	10.95	16.28	137.7	59.89	-11.67	11.03	16.06	136.6	1.0	0.382	0.282	0.339	0.324	0.811	12000088	(30RCA_60)	60	-12	11	%
26.39	-22.6	23.16	32.36	134.29	26.44	-22.0	23.26	32.02	133.41	1.0	0.606	0.366	0.398	0.342	1.142	12000089	(30RCA_60)	26	-22	23	%
40.08	50.43	49.12	70.4	44.24	40.2	50.79	49.32	70.8	44.15	1.0	0.429	0.158	0.192	0.152	1.363	12000090	(30RCA_60)	40	51	49	%
72.4	20.79	-3.6	21.1	350.17	72.45	21.1	-3.5	21.39	350.55	1.0	0.323	0.189	0.279	0.194	0.756	12000091	(30RCA_60)	72	21	-4	%
36.02	-14.06	0.1	14.06	179.56	36.06	-13.73	0.17	13.73	179.27	1.0	0.335	0.211	0.245	0.254	0.839	12000092	(30RCA_60)	36	-14	0	%
21.15	-0.33	-28.37	28.37	269.32	21.18	0.0	-28.31	28.31	270.0	1.0	0.345	0.24	0.291	0.28	1.034	12000093	(30RCA_60)	21	0	-28	%
48.72	-13.42	13.73	19.2	134.35	48.76	-13.15	13.79	19.06	133.64	1.0	0.278	0.202	0.237	0.221	0.654	12000094	(30RCA_60)	49	-13	14	%
71.34	-22.68	21.66	31.37	136.32	71.38	-22.34	21.73	31.17	135.79	1.0	0.353	0.217	0.231	0.201	0.617	12000095	(30RCA_60)	71	-23	22	%
37.53	11.0	-11.95	16.24	312.64	37.57	11.29	-11.88	16.39	313.52	1.0	0.295	0.222	0.377	0.268	0.861	12000096	(30RCA_60)	38	11	-12	%
37.35	62.68	-8.52	63.26	352.25	37.46	63.06	-8.33	63.61	352.46	1.0	0.435	0.185	0.272	0.163	1.674	12000097	(30RCA_60)	37	63	-8	%
48.79	0.13	-0.06	0.14	333.68	48.87	-0.13	0.06	0.14	153.64	1.0	0.304	0.304	0.457	0.421	1.223	12000098	(30GMA_60)	49	0	0	%
88.96	-2.02	1.14	2.32	150.46	89.06	-2.36	1.29	2.69	151.33	1.0	0.383	0.349	0.476	0.462	0.985	12000099	(30GMA_60)	89	-2	1	%

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
9.4	0.03	0.27	0.27	83.27	9.56	-0.65	0.54	0.85	139.99	1.0	0.753	0.747	1.166	1.041	2.018	12000100	(30GMA_60)	9	0	0	0 %
48.24	38.11	0.87	38.12	1.32	48.37	37.64	1.08	37.66	1.65	1.0	0.526	0.253	0.35	0.246	1.912	12000101	(30GMA_60)	48	38	1	1 %
48.16	-38.58	0.3	38.58	179.54	48.27	-38.91	0.47	38.92	179.29	1.0	0.393	0.199	0.199	0.198	1.449	12000102	(30GMA_60)	48	-39	0	0 %
47.38	0.24	39.03	39.03	89.63	47.5	-0.18	39.18	39.18	90.27	1.0	0.476	0.304	0.387	0.348	1.578	12000103	(30GMA_60)	47	0	39	39 %
48.66	0.0	-39.27	39.27	270.0	48.8	-0.47	-39.04	39.04	269.3	1.0	0.547	0.342	0.378	0.373	2.319	12000104	(30GMA_60)	49	0	-39	-39 %
53.89	-0.39	0.19	0.44	153.56	53.94	-0.58	0.27	0.64	154.7	1.0	0.203	0.199	0.297	0.277	0.73	12000105	(30GMA_60)	54	0	0	0 %
59.13	-0.94	0.72	1.19	142.23	59.18	-1.13	0.81	1.39	144.58	1.0	0.22	0.21	0.301	0.289	0.73	12000106	(30GMA_60)	59	-1	1	1 %
63.26	-0.61	0.88	1.07	124.91	63.33	-0.86	0.99	1.32	130.83	1.0	0.281	0.27	0.388	0.369	0.936	12000107	(30GMA_60)	63	-1	1	1 %
68.3	-1.31	1.31	1.85	135.08	68.36	-1.5	1.4	2.05	136.99	1.0	0.215	0.201	0.279	0.27	0.692	12000108	(30GMA_60)	68	-1	1	1 %
73.3	-1.18	0.91	1.5	142.29	73.37	-1.43	1.03	1.77	144.37	1.0	0.283	0.267	0.377	0.36	0.835	12000109	(30GMA_60)	73	-1	1	1 %
78.21	-1.36	1.15	1.78	139.75	78.28	-1.64	1.27	2.08	142.07	1.0	0.311	0.29	0.406	0.391	0.863	12000110	(30GMA_60)	78	-2	1	1 %
82.96	-1.01	0.51	1.14	152.95	83.03	-1.23	0.61	1.38	153.41	1.0	0.252	0.241	0.345	0.324	0.713	12000111	(30GMA_60)	83	-1	1	1 %
45.19	-1.28	1.44	1.93	131.7	45.24	-1.46	1.51	2.1	133.96	1.0	0.197	0.184	0.255	0.252	0.778	12000112	(30GMA_60)	45	-1	1	1 %
38.82	-0.24	0.34	0.41	125.14	38.87	-0.46	0.43	0.63	137.13	1.0	0.246	0.242	0.365	0.34	0.905	12000113	(30GMA_60)	39	0	0	0 %
34.28	-0.45	0.97	1.08	114.89	34.34	-0.62	1.05	1.22	120.85	1.0	0.197	0.191	0.273	0.262	0.89	12000114	(30GMA_60)	34	-1	1	1 %
29.12	-0.09	0.85	0.86	96.57	29.19	-0.31	0.99	1.03	107.55	1.0	0.262	0.256	0.374	0.343	1.217	12000115	(30GMA_60)	29	0	1	1 %
24.2	-0.03	0.84	0.84	92.15	24.3	-0.43	0.95	1.05	114.42	1.0	0.429	0.422	0.621	0.606	1.579	12000116	(30GMA_60)	24	0	1	1 %
19.24	-0.08	0.43	0.44	101.11	19.37	-0.62	0.65	0.9	133.47	1.0	0.594	0.586	0.894	0.816	2.121	12000117	(30GMA_60)	19	0	1	1 %
13.82	0.68	-0.23	0.72	340.72	13.94	0.18	-0.03	0.18	348.9	1.0	0.551	0.534	0.819	0.756	1.774	12000118	(30GMA_60)	14	0	0	0 %
48.59	4.32	-0.59	4.36	352.19	48.64	4.16	-0.52	4.19	352.79	1.0	0.182	0.156	0.203	0.203	0.705	12000119	(30GMA_60)	49	4	-1	-1 %
49.05	9.61	-0.7	9.63	355.79	49.11	9.4	-0.61	9.42	356.22	1.0	0.237	0.175	0.237	0.211	0.89	12000120	(30GMA_60)	49	10	-1	-1 %
49.03	13.49	-0.05	13.49	359.77	49.13	13.17	0.09	13.17	0.41	1.0	0.37	0.256	0.379	0.29	1.426	12000121	(30GMA_60)	49	13	0	0 %
48.49	18.33	0.51	18.34	1.62	48.57	18.06	0.62	18.07	1.98	1.0	0.301	0.188	0.268	0.203	1.105	12000122	(30GMA_60)	49	18	1	1 %
47.86	23.45	0.09	23.45	0.23	47.96	23.12	0.25	23.12	0.61	1.0	0.386	0.225	0.315	0.229	1.495	12000123	(30GMA_60)	48	23	0	0 %
48.77	28.29	0.27	28.29	0.55	48.91	27.74	0.47	27.74	0.98	1.0	0.603	0.313	0.42	0.314	2.086	12000124	(30GMA_60)	49	28	0	0 %
48.96	33.21	0.41	33.21	0.71	49.07	32.82	0.58	32.82	1.01	1.0	0.437	0.223	0.304	0.218	1.63	12000125	(30GMA_60)	49	33	0	0 %
49.13	-4.88	-0.36	4.89	184.28	49.2	-5.14	-0.25	5.14	182.87	1.0	0.29	0.248	0.315	0.317	1.044	12000126	(30GMA_60)	49	-5	0	0 %
49.1	-10.29	0.33	10.29	178.14	49.15	-10.44	0.39	10.45	177.81	1.0	0.173	0.128	0.147	0.151	0.644	12000127	(30GMA_60)	49	-10	0	0 %
49.53	-15.03	-0.04	15.04	180.18	49.62	-15.33	0.09	15.33	179.63	1.0	0.342	0.233	0.255	0.257	1.282	12000128	(30GMA_60)	50	-15	0	0 %
49.19	-19.36	0.4	19.37	178.8	49.26	-19.61	0.52	19.62	178.45	1.0	0.291	0.18	0.193	0.191	1.013	12000129	(30GMA_60)	49	-19	0	0 %
48.94	-24.29	0.62	24.3	178.53	49.06	-24.68	0.79	24.69	178.16	1.0	0.445	0.254	0.266	0.261	1.559	12000130	(30GMA_60)	49	-24	1	1 %
49.64	-29.41	0.08	29.41	179.83	49.75	-29.81	0.25	29.81	179.51	1.0	0.446	0.233	0.243	0.235	1.425	12000131	(30GMA_60)	50	-30	0	0 %
48.86	-33.69	-0.77	33.7	181.31	49.0	-34.12	-0.56	34.13	180.94	1.0	0.502	0.262	0.266	0.262	1.76	12000132	(30GMA_60)	49	-34	-1	-1 %
49.11	-0.02	4.52	4.52	90.26	49.19	-0.33	4.64	4.66	94.11	1.0	0.349	0.323	0.457	0.468	1.229	12000133	(30GMA_60)	49	0	5	5 %
49.03	0.21	8.88	8.88	88.63	49.08	0.05	8.94	8.94	89.66	1.0	0.177	0.155	0.251	0.228	0.649	12000134	(30GMA_60)	49	0	9	9 %
48.8	0.05	14.41	14.41	89.79	48.9	-0.31	14.58	14.58	91.25	1.0	0.418	0.335	0.514	0.484	1.391	12000135	(30GMA_60)	49	0	14	14 %
48.17	-0.41	19.84	19.85	91.19	48.24	-0.62	19.92	19.93	91.8	1.0	0.237	0.181	0.257	0.244	0.827	12000136	(30GMA_60)	48	-1	20	20 %
47.59	-0.58	24.19	24.2	91.39	47.65	-0.8	24.3	24.32	91.9	1.0	0.253	0.179	0.241	0.221	0.854	12000137	(30GMA_60)	48	-1	24	24 %
48.08	-0.32	28.61	28.61	90.65	48.15	-0.59	28.7	28.71	91.19	1.0	0.295	0.206	0.273	0.243	1.002	12000138	(30GMA_60)	48	0	29	29 %
48.07	-0.08	34.37	34.37	90.14	48.16	-0.41	34.48	34.48	90.68	1.0	0.352	0.234	0.301	0.268	1.179	12000139	(30GMA_60)	48	0	34	34 %
49.97	0.32	-5.49	5.5	273.43	50.04	0.07	-5.36	5.36	270.77	1.0	0.293	0.265	0.371	0.383	1.109	12000140	(30GMA_60)	50	0	-5	-5 %
49.83	0.45	-9.96	9.97	272.61	49.9	0.2	-9.85	9.85	271.16	1.0	0.286	0.243	0.352	0.357	1.09	12000141	(30GMA_60)	50	0	-10	-10 %
49.07	0.53	-14.84	14.85	272.06	49.16	0.22	-14.71	14.72	270.86	1.0	0.351	0.281	0.38	0.404	1.35	12000142	(30GMA_60)	49	0	-15	-15 %
48.32	-0.09	-19.47	19.47	269.7	48.41	-0.41	-19.34	19.34	268.75	1.0	0.359	0.273	0.344	0.362	1.413	12000143	(30GMA_60)	48	0	-19	-19 %
48.46	-0.1	-24.69	24.69	269.76	48.55	-0.36	-24.57	24.57	269.15	1.0	0.302	0.218	0.257	0.259	1.329	12000144	(30GMA_60)	49	0	-25	-25 %
49.13	0.15	-29.68	29.68	270.3	49.24	-0.26	-29.5	29.5	269.49	1.0	0.468	0.319	0.37	0.361	1.854	12000145	(30GMA_60)	49	0	-30	-30 %
49.21	0.0	-34.35	34.35	269.99	49.33	-0.42	-34.15	34.15	269.29	1.0	0.477	0.31	0.348	0.34	2.025	12000146	(30GMA_60)	49	0	-34	-34 %
21.63	-25.95	-0.23	25.95	180.51	21.74	-26.18	-0.1	26.18	180.22	1.0	0.29	0.18	0.22	0.165	1.392	12000147	(30GMA_60)	22	-26	0	0 %
34.62	-0.01	14.07	14.07	90.07	34.7	-0.36	14.17	14.17	91.48	1.0	0.37	0.304	0.482	0.449	1.289	12000148	(30GMA_60)	35	0	14	14 %
48.97	-27.11	28.15	39.08	133.92	49.06	-27.46	28.28	39.42	134.16	1.0	0.392	0.188	0.199	0.183	1.122	12000149	(30GMA_60)	49	-27	28	28 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
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TUB material: code=rh4ta

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*a*b*	%CIE	L*	a*	b*	C*	ab	hab	L*	a*	b*	C*	ab	hab	DV2	dE*	dE*	dE*	dE*	dE*	NR	Code	L*	a*	b*
02	02	02	02	02	02	02	02	12	12	12	12	12	12	12	94	94	CM	00	85					
Kittelmann threshold data %																								
59.73	10.74	-11.51	15.74	313.01	59.83	10.39	-11.35	15.39	312.46	1.0	0.398	0.26	0.333	0.309	1.398	12000150	(30GMA_60)	60	11	-11 %				
25.38	22.44	-22.23	31.59	315.26	25.5	22.01	-22.02	31.14	314.99	1.0	0.494	0.245	0.311	0.237	2.338	12000151	(30GMA_60)	25	22	-22 %				
24.7	30.17	-43.96	53.32	304.46	24.82	29.62	-43.75	52.84	304.1	1.0	0.604	0.268	0.361	0.292	2.519	12000152	(30GMA_60)	25	30	-44 %				
16.98	0.32	-0.76	0.82	293.17	17.08	0.12	-0.67	0.68	280.9	1.0	0.235	0.23	0.353	0.308	1.168	12000153	(30GMA_60)	17	0	-1 %				
34.48	13.75	0.36	13.75	1.5	34.58	13.3	0.5	13.31	2.18	1.0	0.476	0.317	0.451	0.366	1.762	12000154	(30GMA_60)	35	14	0 %				
24.79	0.5	25.96	25.96	88.89	24.85	0.37	25.94	25.94	89.17	1.0	0.145	0.112	0.156	0.126	0.788	12000155	(30GMA_60)	25	0	26 %				
48.09	13.44	-13.81	19.27	314.21	48.17	13.16	-13.69	19.0	313.86	1.0	0.309	0.189	0.241	0.218	1.197	12000156	(30GMA_60)	48	13	-14 %				
71.85	20.65	-21.89	30.09	313.33	71.96	20.24	-21.72	29.68	312.98	1.0	0.458	0.239	0.291	0.24	1.408	12000157	(30GMA_60)	72	20	-22 %				
36.26	10.6	11.22	15.44	46.63	36.35	10.27	11.38	15.33	47.94	1.0	0.378	0.306	0.605	0.379	1.436	12000158	(30GMA_60)	36	10	11 %				
52.66	-28.48	-35.68	45.65	231.4	52.79	-28.98	-35.47	45.81	230.74	1.0	0.562	0.341	0.32	0.288	1.949	12000159	(30GMA_60)	53	-29	-36 %				
55.2	-1.07	2.59	2.8	112.52	55.27	-1.29	2.69	2.99	115.59	1.0	0.252	0.233	0.312	0.317	0.93	12000160	(30GMA_60)	55	-1	3 %				
20.65	27.25	0.64	27.26	1.36	20.77	26.89	0.78	26.9	1.67	1.0	0.406	0.224	0.327	0.209	1.686	12000161	(30GMA_60)	21	27	1 %				
62.84	-0.68	-13.06	13.08	267.01	62.92	-0.96	-12.93	12.96	265.72	1.0	0.325	0.268	0.361	0.371	1.125	12000162	(30GMA_60)	63	-1	-13 %				
49.0	26.52	-27.49	38.2	313.97	49.11	26.14	-27.32	37.82	313.72	1.0	0.433	0.207	0.247	0.212	1.78	12000163	(30GMA_60)	49	26	-27 %				
60.36	10.7	11.52	15.73	47.12	60.47	10.31	11.67	15.58	48.53	1.0	0.424	0.339	0.656	0.424	1.329	12000164	(30GMA_60)	60	11	12 %				
25.1	22.06	23.2	32.02	46.44	25.16	21.79	23.2	31.83	46.78	1.0	0.275	0.162	0.26	0.173	0.973	12000165	(30GMA_60)	25	22	23 %				
38.19	-11.88	-11.02	16.2	222.84	38.26	-12.18	-10.89	16.34	221.8	1.0	0.336	0.261	0.294	0.291	1.208	12000166	(30GMA_60)	38	-12	-11 %				
89.48	-3.5	4.48	5.69	128.03	89.56	-3.8	4.61	5.97	129.53	1.0	0.336	0.281	0.358	0.366	0.83	12000167	(30GMA_60)	90	-4	5 %				
63.01	-14.03	0.0	14.03	180.01	63.09	-14.3	0.12	14.3	179.49	1.0	0.316	0.216	0.239	0.24	1.007	12000168	(30GMA_60)	63	-14	0 %				
72.83	-0.39	-24.28	24.29	269.06	72.91	-0.67	-24.16	24.17	268.4	1.0	0.317	0.228	0.269	0.269	1.008	12000169	(30GMA_60)	73	-1	-24 %				
49.49	13.17	13.21	18.66	45.09	49.56	12.91	13.34	18.56	45.94	1.0	0.301	0.233	0.443	0.281	1.015	12000170	(30GMA_60)	50	13	13 %				
70.64	16.14	20.44	26.04	51.7	70.75	15.77	20.59	25.94	52.53	1.0	0.403	0.293	0.499	0.334	1.142	12000171	(30GMA_60)	71	16	21 %				
59.95	-12.15	-11.08	16.44	222.36	60.05	-12.49	-10.92	16.59	221.18	1.0	0.385	0.303	0.332	0.332	1.302	12000172	(30GMA_60)	60	-12	-11 %				
29.41	-19.8	-22.32	29.84	228.42	29.51	-20.08	-22.16	29.91	227.81	1.0	0.341	0.244	0.249	0.211	1.692	12000173	(30GMA_60)	29	-20	-22 %				
47.09	-57.51	35.26	67.46	148.48	47.21	-57.83	35.41	67.82	148.51	1.0	0.372	0.147	0.153	0.144	1.245	12000174	(30GMA_60)	47	-58	35 %				
76.44	-25.67	-0.82	25.69	181.83	76.53	-25.97	-0.67	25.98	181.48	1.0	0.347	0.2	0.201	0.193	0.966	12000175	(30GMA_60)	76	-26	-1 %				
63.58	-0.96	14.04	14.07	93.94	63.64	-1.14	14.13	14.18	94.61	1.0	0.207	0.163	0.235	0.225	0.665	12000176	(30GMA_60)	64	-1	14 %				
49.53	26.36	27.36	37.99	46.05	49.62	26.04	27.47	37.85	46.52	1.0	0.348	0.219	0.357	0.244	1.139	12000177	(30GMA_60)	50	26	27 %				
49.64	-13.59	-13.56	19.2	224.93	49.75	-14.0	-13.39	19.37	223.72	1.0	0.455	0.346	0.37	0.368	1.601	12000178	(30GMA_60)	50	-14	-13 %				
71.39	-23.22	-22.57	32.38	224.17	71.5	-23.59	-22.4	32.53	223.51	1.0	0.416	0.281	0.264	0.244	1.283	12000179	(30GMA_60)	71	-23	-22 %				
38.48	-11.25	11.42	16.03	134.56	38.57	-11.54	11.57	16.34	134.91	1.0	0.338	0.216	0.246	0.247	1.194	12000180	(30GMA_60)	39	-11	12 %				
81.51	-9.25	92.94	93.4	95.68	81.61	-9.56	93.07	93.56	95.86	1.0	0.359	0.166	0.187	0.174	0.916	12000181	(30GMA_60)	82	-9	93 %				
63.4	13.11	0.18	13.11	0.81	63.51	12.68	0.36	12.69	1.62	1.0	0.475	0.327	0.476	0.373	1.506	12000182	(30GMA_60)	63	13	0 %				
77.11	-1.06	28.18	28.2	92.17	77.18	-1.32	28.29	28.32	92.67	1.0	0.286	0.198	0.254	0.225	0.772	12000183	(30GMA_60)	77	-1	28 %				
35.8	0.02	-13.63	13.63	270.12	35.85	-0.22	-13.55	13.56	269.06	1.0	0.267	0.22	0.307	0.32	1.033	12000184	(30GMA_60)	36	0	-14 %				
48.47	-27.1	-28.76	39.52	226.71	48.59	-27.44	-28.58	39.63	226.16	1.0	0.407	0.264	0.247	0.231	1.682	12000185	(30GMA_60)	49	-27	-29 %				
59.82	-11.72	10.93	16.03	136.99	59.91	-11.99	11.05	16.31	137.31	1.0	0.301	0.193	0.213	0.221	0.936	12000186	(30GMA_60)	60	-12	11 %				
26.36	-22.14	23.16	32.04	133.7	26.47	-22.46	23.26	32.34	134.0	1.0	0.36	0.202	0.234	0.183	1.383	12000187	(30GMA_60)	26	-22	23 %				
40.09	50.8	49.13	70.67	44.04	40.19	50.42	49.3	70.52	44.35	1.0	0.424	0.214	0.346	0.242	1.406	12000188	(30GMA_60)	40	51	49 %				
72.37	21.15	-3.64	21.46	350.23	72.48	20.74	-3.46	21.03	350.51	1.0	0.458	0.259	0.308	0.265	1.373	12000189	(30GMA_60)	72	21	-4 %				
35.99	-13.69	0.07	13.69	179.68	36.08	-14.1	0.2	14.1	179.16	1.0	0.438	0.29	0.333	0.333	1.453	12000190	(30GMA_60)	36	-14	0 %				
21.11	0.07	-28.42	28.42	270.15	21.22	-0.4	-28.26	28.26	269.17	1.0	0.523	0.365	0.45	0.411	2.13	12000191	(30GMA_60)	21	0	-28 %				
48.71	-13.16	13.71	19.0	133.82	48.78	-13.42	13.81	19.26	134.17	1.0	0.286	0.178	0.198	0.201	0.921	12000192	(30GMA_60)	49	-13	14 %				
71.31	-22.34	21.61	31.09	135.95	71.41	-22.68	21.77	31.44	136.16	1.0	0.386	0.196	0.203	0.184	1.005	12000193	(30GMA_60)	71	-23	22 %				
37.5	11.3	-11.98	16.47	313.32	37.59	10.98	-11.85	16.16	312.83	1.0	0.354	0.23	0.301	0.27	1.526	12000194	(30GMA_60)	38	11	-12 %				
37.34	63.13	-8.53	63.7	352.3	37.47	62.61	-8.32	63.17	352.42	1.0	0.57	0.201	0.257	0.186	2.199	12000195	(30GMA_60)	37	63	-8 %				
48.82	-0.08	0.2	0.22	112.11	48.84	0.08	-0.2	0.22	292.23	1.0	0.452	0.45	0.693	0.489	1.953	12000196	(30BYA_60)	49	0	0 %				
89.0	-2.34	1.55	2.81	146.51	89.01	-2.04	0.88	2.22	156.5	1.0	0.726	0.663	0.913	0.71	2.105	12000197	(30BYA_60)	89	-2	1 %				
9.48	-0.63	1.02	1.2	121.69	9.48	0.02	-0.21	0.21	277.01	1.0	1.409	1.361	1.987	1.551	4.517	12000198	(30BYA_60)	9	0	0 %				
48.29	37.78	1.38	37.81	2.09	48.32	37.97	0.58	37.97	0.87	1.0	0.821	0.517	0.986	0.465	3.593	12000199	(30BYA_60)	48	38	1 %				

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%L*a*b*	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
48.21	-38.99	0.74	38.99	178.9	48.22	-38.51	0.03	38.51	179.94	1.0	0.857	0.479	0.461	0.481	3.288	12000200	(30BYA_60)	48	-39	0 %	
47.43	-0.07	39.99	39.99	90.1	47.45	0.13	38.23	38.23	89.79	1.0	1.765	0.64	0.779	0.655	2.584	12000201	(30BYA_60)	47	0	39 %	
48.71	-0.77	-38.53	38.53	268.84	48.76	0.31	-39.79	39.79	270.45	1.0	1.669	0.835	0.971	0.888	6.488	12000202	(30BYA_60)	49	0	-39 %	
53.92	-0.58	0.4	0.71	145.14	53.92	-0.39	0.06	0.39	170.64	1.0	0.393	0.384	0.576	0.435	1.546	12000203	(30BYA_60)	54	0	0 %	
59.15	-1.13	0.97	1.49	139.15	59.16	-0.95	0.56	1.1	149.38	1.0	0.451	0.427	0.619	0.462	1.729	12000204	(30BYA_60)	59	-1	1 %	
63.29	-0.83	1.17	1.44	125.39	63.3	-0.64	0.7	0.95	132.36	1.0	0.512	0.483	0.704	0.524	1.899	12000205	(30BYA_60)	63	-1	1 %	
68.32	-1.52	1.6	2.21	133.5	68.34	-1.29	1.1	1.7	139.42	1.0	0.544	0.499	0.706	0.544	1.883	12000206	(30BYA_60)	68	-1	1 %	
73.33	-1.44	1.25	1.91	139.03	73.34	-1.18	0.69	1.37	149.54	1.0	0.62	0.578	0.824	0.632	2.055	12000207	(30BYA_60)	73	-1	1 %	
78.24	-1.62	1.49	2.2	137.4	78.25	-1.38	0.93	1.66	145.77	1.0	0.608	0.561	0.791	0.607	1.939	12000208	(30BYA_60)	78	-2	1 %	
82.99	-1.25	0.86	1.52	145.49	83.0	-0.99	0.27	1.03	164.59	1.0	0.641	0.611	0.88	0.662	1.987	12000209	(30BYA_60)	83	-1	1 %	
45.22	-1.46	1.67	2.22	131.2	45.22	-1.28	1.29	1.82	134.92	1.0	0.422	0.386	0.546	0.421	1.771	12000210	(30BYA_60)	45	-1	1 %	
38.84	-0.47	0.61	0.77	127.56	38.84	-0.23	0.15	0.28	145.59	1.0	0.511	0.495	0.745	0.561	2.285	12000211	(30BYA_60)	39	0	0 %	
34.31	-0.68	1.27	1.44	118.34	34.31	-0.39	0.75	0.85	117.52	1.0	0.586	0.55	0.805	0.632	2.59	12000212	(30BYA_60)	34	-1	1 %	
29.15	-0.32	1.13	1.18	106.08	29.15	-0.08	0.71	0.71	96.74	1.0	0.485	0.462	0.683	0.535	2.165	12000213	(30BYA_60)	29	0	1 %	
24.25	-0.38	1.19	1.25	107.69	24.25	-0.08	0.61	0.61	97.89	1.0	0.653	0.619	0.911	0.703	2.918	12000214	(30BYA_60)	24	0	1 %	
19.28	-0.44	0.88	0.99	116.94	19.32	-0.25	0.21	0.33	140.95	1.0	0.7	0.672	1.001	0.708	3.211	12000215	(30BYA_60)	19	0	1 %	
13.88	0.3	0.31	0.44	45.85	13.88	0.56	-0.59	0.81	313.47	1.0	0.947	0.939	1.425	0.969	3.933	12000216	(30BYA_60)	14	0	0 %	
48.62	4.13	-0.33	4.14	355.31	48.62	4.35	-0.78	4.42	349.83	1.0	0.496	0.452	0.678	0.465	2.097	12000217	(30BYA_60)	49	4	-1 %	
49.07	9.4	-0.44	9.41	357.28	49.08	9.61	-0.88	9.65	354.76	1.0	0.483	0.404	0.853	0.384	2.048	12000218	(30BYA_60)	49	10	-1 %	
49.07	13.2	0.32	13.21	1.39	49.08	13.46	-0.28	13.46	358.8	1.0	0.656	0.529	1.179	0.48	2.806	12000219	(30BYA_60)	49	13	0 %	
48.52	18.13	0.79	18.14	2.51	48.54	18.27	0.34	18.28	1.09	1.0	0.471	0.362	0.784	0.319	2.045	12000220	(30BYA_60)	49	18	1 %	
47.91	23.16	0.45	23.17	1.13	47.92	23.41	-0.11	23.41	359.72	1.0	0.619	0.439	0.89	0.39	2.658	12000221	(30BYA_60)	48	23	0 %	
48.83	27.9	0.75	27.91	1.55	48.85	28.13	0.0	28.13	359.98	1.0	0.798	0.55	1.09	0.491	3.494	12000222	(30BYA_60)	49	28	0 %	
49.01	32.88	0.84	32.89	1.47	49.02	33.15	0.15	33.15	0.25	1.0	0.744	0.479	0.921	0.432	3.175	12000223	(30BYA_60)	49	33	0 %	
49.16	-5.09	-0.12	5.09	181.37	49.17	-4.93	-0.5	4.95	185.81	1.0	0.412	0.378	0.493	0.389	1.771	12000224	(30BYA_60)	49	-5	0 %	
49.13	-10.48	0.58	10.5	176.82	49.13	-10.25	0.14	10.25	179.16	1.0	0.49	0.402	0.49	0.403	1.996	12000225	(30BYA_60)	49	-10	0 %	
49.57	-15.31	0.26	15.31	179.02	49.58	-15.05	-0.21	15.05	180.8	1.0	0.538	0.413	0.464	0.404	2.194	12000226	(30BYA_60)	50	-15	0 %	
49.22	-19.62	0.67	19.63	178.02	49.23	-19.35	0.25	19.35	179.24	1.0	0.502	0.354	0.378	0.346	1.959	12000227	(30BYA_60)	49	-19	0 %	
49.0	-24.58	0.92	24.6	177.85	49.01	-24.38	0.49	24.39	178.84	1.0	0.474	0.325	0.328	0.316	1.949	12000228	(30BYA_60)	49	-24	1 %	
49.69	-29.71	0.4	29.72	179.21	49.7	-29.51	-0.06	29.51	180.13	1.0	0.518	0.34	0.33	0.337	2.171	12000229	(30BYA_60)	50	-30	0 %	
48.92	-34.06	-0.42	34.06	180.71	48.93	-33.76	-0.91	33.77	181.54	1.0	0.571	0.345	0.332	0.346	2.265	12000230	(30BYA_60)	49	-34	-1 %	
49.14	-0.22	4.77	4.77	92.73	49.16	-0.12	4.39	4.39	91.65	1.0	0.389	0.323	0.428	0.342	1.528	12000231	(30BYA_60)	49	0	5 %	
49.05	0.05	9.1	9.1	89.64	49.05	0.2	8.71	8.72	88.63	1.0	0.415	0.306	0.408	0.347	1.408	12000232	(30BYA_60)	49	0	9 %	
48.85	-0.24	14.84	14.85	90.96	48.86	-0.01	14.14	14.14	90.06	1.0	0.741	0.461	0.575	0.513	2.193	12000233	(30BYA_60)	49	0	14 %	
48.2	-0.63	20.28	20.29	91.8	48.21	-0.4	19.48	19.48	91.17	1.0	0.834	0.452	0.544	0.488	2.143	12000234	(30BYA_60)	48	-1	20 %	
47.61	-0.83	24.71	24.72	91.93	47.63	-0.56	23.78	23.79	91.35	1.0	0.964	0.476	0.569	0.503	2.199	12000235	(30BYA_60)	48	-1	24 %	
48.11	-0.6	29.21	29.21	91.18	48.12	-0.32	28.11	28.11	90.65	1.0	1.136	0.512	0.612	0.533	2.295	12000236	(30BYA_60)	48	0	29 %	
48.11	-0.39	35.12	35.12	90.64	48.12	-0.1	33.73	33.73	90.17	1.0	1.426	0.572	0.69	0.59	2.436	12000237	(30BYA_60)	48	0	34 %	
50.0	0.09	-5.23	5.23	271.07	50.01	0.3	-5.62	5.63	273.09	1.0	0.445	0.37	0.494	0.428	1.895	12000238	(30BYA_60)	50	0	-5 %	
49.86	0.22	-9.69	9.69	271.3	49.87	0.43	-10.13	10.13	272.46	1.0	0.486	0.355	0.459	0.413	2.128	12000239	(30BYA_60)	50	0	-10 %	
49.11	0.21	-14.49	14.49	270.83	49.12	0.54	-15.07	15.08	272.08	1.0	0.673	0.445	0.561	0.536	2.924	12000240	(30BYA_60)	49	0	-15 %	
48.36	-0.45	-19.06	19.06	268.63	48.38	-0.06	-19.75	19.75	269.81	1.0	0.795	0.484	0.59	0.561	3.5	12000241	(30BYA_60)	48	0	-19 %	
48.5	-0.51	-24.25	24.25	268.79	48.51	0.04	-25.01	25.01	270.11	1.0	0.941	0.549	0.661	0.619	3.934	12000242	(30BYA_60)	49	0	-25 %	
49.17	-0.35	-29.19	29.19	269.31	49.2	0.25	-29.99	29.99	270.47	1.0	1.005	0.545	0.645	0.587	4.138	12000243	(30BYA_60)	49	0	-30 %	
49.25	-0.56	-33.8	33.8	269.04	49.29	0.13	-34.71	34.71	270.22	1.0	1.153	0.593	0.695	0.629	4.664	12000244	(30BYA_60)	49	0	-34 %	
21.68	-26.41	0.18	26.41	179.6	21.68	-25.72	-0.51	25.72	181.15	1.0	0.981	0.592	0.611	0.593	3.562	12000245	(30BYA_60)	22	-26	0 %	
34.66	-0.27	14.46	14.47	91.09	34.66	-0.1	13.77	13.77	90.43	1.0	0.711	0.44	0.534	0.471	2.116	12000246	(30BYA_60)	35	0	14 %	
49.0	-27.39	28.7	39.68	133.66	49.03	-27.18	27.73	38.83	134.42	1.0	0.995	0.446	0.5	0.423	2.028	12000247	(30BYA_60)	49	-27	28 %	
59.78	10.4	-11.12	15.23	313.08	59.79	10.73	-11.75	15.91	312.41	1.0	0.708	0.432	0.544	0.439	2.79	12000248	(30BYA_60)	60	11	-11 %	
25.42	21.97	-21.73	30.9	315.32	25.45	22.49	-22.53	31.83	314.95	1.0	0.95	0.413	0.506	0.411	4.411	12000249	(30BYA_60)	25	22	-22 %	

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application for measurement of display or printer output, no separation
TUB material: code=rha4ta

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
24.73	29.47	-43.35	52.42	304.2	24.79	30.34	-44.36	53.74	304.36	1.0	1.333	0.407	0.525	0.407	4.723	12000250	(30BYA_60)	25	30	-44 %	
17.03	-0.08	-0.24	0.25	251.09	17.03	0.54	-1.19	1.31	294.44	1.0	1.141	1.129	1.744	1.297	4.681	12000251	(30BYA_60)	17	0	-1 %	
34.52	13.4	0.76	13.42	3.27	34.54	13.65	0.1	13.65	0.43	1.0	0.706	0.574	1.3	0.517	3.354	12000252	(30BYA_60)	35	14	0 %	
24.81	0.36	26.55	26.56	89.2	24.84	0.5	25.36	25.36	88.85	1.0	1.206	0.557	0.653	0.57	1.898	12000253	(30BYA_60)	25	0	26 %	
48.12	13.14	-13.44	18.8	314.34	48.14	13.46	-14.06	19.47	313.75	1.0	0.698	0.394	0.498	0.394	3.101	12000254	(30BYA_60)	48	13	-14 %	
71.9	20.24	-21.41	29.46	313.38	71.92	20.65	-22.19	30.32	312.93	1.0	0.884	0.401	0.499	0.402	3.152	12000255	(30BYA_60)	72	20	-22 %	
36.3	10.32	11.67	15.58	48.49	36.31	10.55	10.94	15.2	46.04	1.0	0.761	0.578	1.129	0.647	2.513	12000256	(30BYA_60)	36	10	11 %	
52.71	-29.09	-35.18	45.65	230.41	52.74	-28.37	-35.97	45.81	231.73	1.0	1.066	0.628	0.601	0.512	3.811	12000257	(30BYA_60)	53	-29	-36 %	
55.23	-1.29	2.88	3.15	114.21	55.24	-1.07	2.4	2.63	113.98	1.0	0.523	0.458	0.629	0.507	1.964	12000258	(30BYA_60)	55	-1	3 %	
20.71	26.88	1.19	26.91	2.53	20.71	27.26	0.24	27.26	0.51	1.0	1.016	0.699	1.389	0.627	4.537	12000259	(30BYA_60)	21	27	1 %	
62.87	-0.97	-12.7	12.74	265.6	62.89	-0.67	-13.29	13.31	267.11	1.0	0.664	0.462	0.59	0.544	2.557	12000260	(30BYA_60)	63	-1	-13 %	
49.04	26.1	-27.0	37.56	314.03	49.06	26.56	-27.82	38.46	313.67	1.0	0.931	0.368	0.463	0.369	4.063	12000261	(30BYA_60)	49	26	-27 %	
60.4	10.4	11.95	15.84	48.98	60.42	10.62	11.24	15.47	46.64	1.0	0.742	0.561	1.089	0.63	2.245	12000262	(30BYA_60)	60	11	12 %	
25.13	21.82	24.02	32.46	47.74	25.13	22.03	22.4	31.42	45.47	1.0	1.637	0.95	1.6	1.054	2.868	12000263	(30BYA_60)	25	22	23 %	
38.22	-12.16	-10.74	16.23	221.46	38.24	-11.89	-11.16	16.31	223.18	1.0	0.498	0.398	0.449	0.403	2.259	12000264	(30BYA_60)	38	-12	-11 %	
89.51	-3.78	4.88	6.17	127.82	89.53	-3.52	4.21	5.49	129.9	1.0	0.719	0.571	0.738	0.599	1.989	12000265	(30BYA_60)	90	-4	5 %	
63.04	-14.29	0.32	14.3	178.69	63.05	-14.04	-0.2	14.04	180.82	1.0	0.587	0.461	0.526	0.449	2.156	12000266	(30BYA_60)	63	-14	0 %	
72.86	-0.75	-23.86	23.87	268.19	72.88	-0.31	-24.59	24.59	269.26	1.0	0.848	0.479	0.573	0.529	2.945	12000267	(30BYA_60)	73	-1	-24 %	
49.53	12.91	13.61	18.76	46.51	49.53	13.17	12.94	18.47	44.5	1.0	0.717	0.534	1.038	0.601	2.153	12000268	(30BYA_60)	50	13	13 %	
70.69	15.84	20.89	26.22	52.81	70.7	16.07	20.14	25.76	51.41	1.0	0.782	0.501	0.858	0.566	1.851	12000269	(30BYA_60)	71	16	21 %	
59.99	-12.51	-10.66	16.44	220.43	60.01	-12.12	-11.34	16.61	223.09	1.0	0.785	0.623	0.7	0.624	3.029	12000270	(30BYA_60)	60	-12	-11 %	
29.45	-20.23	-21.93	29.84	227.31	29.47	-19.65	-22.56	29.92	228.93	1.0	0.851	0.586	0.585	0.514	3.533	12000271	(30BYA_60)	29	-20	-22 %	
47.15	-57.88	35.96	68.15	148.14	47.16	-57.46	34.71	67.14	148.86	1.0	1.319	0.488	0.536	0.433	2.066	12000272	(30BYA_60)	47	-58	35 %	
76.48	-25.97	-0.46	25.98	181.03	76.49	-25.68	-1.02	25.7	182.28	1.0	0.629	0.426	0.424	0.42	2.014	12000273	(30BYA_60)	76	-26	-1 %	
63.61	-1.2	14.43	14.48	94.75	63.61	-0.9	13.74	13.77	93.77	1.0	0.755	0.476	0.594	0.541	2.079	12000274	(30BYA_60)	64	-1	14 %	
49.57	26.12	27.8	38.15	46.78	49.58	26.29	27.02	37.7	45.78	1.0	0.801	0.451	0.763	0.507	1.674	12000275	(30BYA_60)	50	26	27 %	
49.69	-13.98	-13.2	19.23	223.34	49.7	-13.61	-13.76	19.35	225.31	1.0	0.673	0.517	0.563	0.509	2.769	12000276	(30BYA_60)	50	-14	-13 %	
71.44	-23.62	-22.16	32.39	223.16	71.46	-23.19	-22.8	32.53	224.51	1.0	0.777	0.518	0.505	0.452	2.625	12000277	(30BYA_60)	71	-23	-22 %	
38.53	-11.57	11.92	16.61	134.14	38.53	-11.22	11.07	15.77	135.37	1.0	0.911	0.556	0.655	0.549	2.894	12000278	(30BYA_60)	39	-11	12 %	
63.45	12.79	0.56	12.8	2.55	63.46	13.0	-0.02	13.0	359.9	1.0	0.629	0.516	1.17	0.466	2.383	12000279	(30BYA_60)	82	-9	93 %	
77.14	-1.33	28.69	28.72	92.66	77.15	-1.05	27.79	27.81	92.17	1.0	0.945	0.433	0.52	0.453	1.875	12000280	(30BYA_60)	63	13	0 %	
35.82	-0.18	-13.38	13.39	269.19	35.83	0.0	-13.8	13.8	269.98	1.0	0.455	0.302	0.377	0.346	2.271	12000281	(30BYA_60)	77	-1	28 %	
48.52	-27.56	-28.35	39.54	225.81	48.54	-26.98	-29.0	39.61	227.06	1.0	0.865	0.542	0.517	0.456	3.245	12000282	(30BYA_60)	36	0	-14 %	
59.86	-12.02	11.4	16.57	136.52	59.87	-11.69	10.59	15.77	137.82	1.0	0.875	0.541	0.638	0.53	2.615	12000283	(30BYA_60)	49	-27	-29 %	
26.4	-22.49	23.93	32.84	133.22	26.43	-22.11	22.5	31.54	134.49	1.0	1.478	0.707	0.799	0.681	2.699	12000284	(30BYA_60)	60	-12	11 %	
40.13	50.57	50.04	71.14	44.69	40.15	50.66	48.42	70.08	43.7	1.0	1.621	0.643	1.104	0.754	1.388	12000285	(30BYA_60)	26	-22	23 %	
72.42	20.81	-3.19	21.05	351.27	72.43	21.09	-3.91	21.45	349.48	1.0	0.774	0.544	1.07	0.473	2.731	12000286	(30BYA_60)	40	51	49 %	
36.03	-14.0	0.36	14.0	178.48	36.05	-13.79	-0.08	13.79	180.36	1.0	0.503	0.399	0.457	0.387	2.337	12000287	(30BYA_60)	72	-14	-4 %	
21.16	-0.49	-28.04	28.04	268.98	21.16	0.16	-28.64	28.64	270.33	1.0	0.896	0.538	0.643	0.602	3.436	12000288	(30BYA_60)	36	-14	0 %	
48.74	-13.44	14.16	19.53	133.5	48.75	-13.13	13.36	18.73	134.51	1.0	0.864	0.497	0.578	0.485	2.554	12000289	(30BYA_60)	21	0	-28 %	
71.35	-22.68	22.16	31.71	135.65	71.37	-22.34	21.22	30.82	136.47	1.0	0.999	0.476	0.538	0.458	2.261	12000290	(30BYA_60)	49	-13	14 %	
37.55	10.96	-11.66	16.0	313.24	37.55	11.32	-12.17	16.63	312.92	1.0	0.63	0.37	0.441	0.387	2.88	12000291	(30BYA_60)	71	-23	22 %	
37.4	62.75	-8.12	63.27	352.62	37.4	63.0	-8.73	63.6	352.1	1.0	0.663	0.307	0.556	0.259	3.249	12000292	(30BYA_60)	38	11	-12 %	
48.74	-0.01	-0.09	0.1	260.53	48.92	0.01	0.09	0.1	80.42	1.0	0.273	0.273	0.344	0.274	2.107	12000293	(30BYA_60)	37	63	-8 %	
88.9	-2.21	1.11	2.48	153.32	89.11	-2.17	1.32	2.54	148.58	1.0	0.299	0.293	0.306	0.246	1.613	12000294	(30WNA_60)	49	0	0 %	
9.32	-0.33	0.2	0.39	148.81	9.64	-0.28	0.61	0.67	114.45	1.0	0.524	0.521	0.887	0.459	2.966	12000295	(30WNA_60)	9	-2	1 %	
48.21	37.82	0.87	37.83	1.32	48.4	37.93	1.09	37.94	1.65	1.0	0.309	0.238	0.31	0.228	2.174	12000296	(30WNA_60)	9	0	0 %	
48.13	-38.71	0.31	38.71	179.53	48.31	-38.78	0.47	38.79	179.3	1.0	0.248	0.204	0.17	0.203	1.957	12000297	(30WNA_60)	48	38	1 %	
47.34	0.01	38.99	38.99	89.97	47.54	0.04	39.22	39.22	89.92	1.0	0.304	0.212	0.188	0.209	2.019	12000298	(30WNA_60)	48	-39	0 %	
48.64	-0.19	-39.22	39.22	269.71	48.82	-0.27	-39.09	39.09	269.59	1.0	0.228	0.187	0.159	0.187	2.109	12000299	(30WNA_60)	47	0	39 %	

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
53.84	-0.52	0.16	0.55	163.1	53.99	-0.45	0.31	0.55	145.3	1.0	0.226	0.225	0.276	0.236	1.609	12000300	(30WNA_60)	49	0	-39	%
59.08	-1.05	0.69	1.26	146.58	59.22	-1.02	0.84	1.32	140.57	1.0	0.204	0.201	0.233	0.193	1.422	12000301	(30WNA_60)	54	0	0	%
63.22	-0.75	0.86	1.15	131.04	63.37	-0.72	1.01	1.24	125.52	1.0	0.212	0.209	0.237	0.195	1.455	12000302	(30WNA_60)	59	-1	1	%
68.26	-1.42	1.28	1.91	137.92	68.4	-1.39	1.42	1.99	134.31	1.0	0.2	0.196	0.215	0.178	1.297	12000303	(30WNA_60)	63	-1	1	%
73.26	-1.33	0.9	1.6	145.9	73.41	-1.29	1.05	1.66	141.02	1.0	0.214	0.21	0.23	0.187	1.334	12000304	(30WNA_60)	68	-1	1	%
78.17	-1.5	1.13	1.88	143.01	78.33	-1.5	1.3	1.98	139.09	1.0	0.229	0.224	0.243	0.192	1.354	12000305	(30WNA_60)	73	-1	1	%
82.91	-1.15	0.48	1.25	157.27	83.08	-1.09	0.65	1.27	149.22	1.0	0.243	0.241	0.271	0.214	1.357	12000306	(30WNA_60)	78	-2	1	%
45.15	-1.42	1.42	2.0	135.01	45.28	-1.33	1.54	2.03	130.78	1.0	0.197	0.193	0.23	0.209	1.443	12000307	(30WNA_60)	83	-1	1	%
38.78	-0.4	0.32	0.51	141.07	38.9	-0.3	0.44	0.54	124.04	1.0	0.199	0.198	0.261	0.217	1.489	12000308	(30WNA_60)	45	-1	1	%
34.23	-0.55	0.92	1.07	121.07	34.39	-0.52	1.1	1.22	115.39	1.0	0.246	0.241	0.308	0.225	2.06	12000309	(30WNA_60)	39	0	0	%
29.08	-0.22	0.83	0.86	104.74	29.23	-0.19	1.01	1.03	100.73	1.0	0.236	0.231	0.312	0.211	1.96	12000310	(30WNA_60)	34	-1	1	%
24.17	-0.24	0.81	0.85	106.88	24.33	-0.21	0.98	1.01	102.46	1.0	0.235	0.231	0.324	0.205	1.991	12000311	(30WNA_60)	29	0	1	%
19.18	-0.28	0.4	0.49	125.53	19.43	-0.42	0.69	0.8	121.33	1.0	0.401	0.396	0.61	0.376	3.021	12000312	(30WNA_60)	24	0	1	%
13.76	0.42	-0.24	0.48	330.09	14.0	0.44	-0.03	0.44	326.0	1.0	0.316	0.315	0.557	0.26	2.414	12000313	(30WNA_60)	19	0	1	%
48.55	4.21	-0.62	4.26	351.52	48.69	4.27	-0.49	4.3	353.43	1.0	0.202	0.195	0.24	0.195	1.546	12000314	(30WNA_60)	14	0	0	%
49.0	9.46	-0.74	9.49	355.52	49.15	9.54	-0.58	9.56	356.49	1.0	0.23	0.21	0.343	0.205	1.676	12000315	(30WNA_60)	49	4	-1	%
49.0	13.3	-0.05	13.3	359.75	49.15	13.37	0.09	13.37	0.42	1.0	0.224	0.2	0.322	0.191	1.667	12000316	(30WNA_60)	49	10	-1	%
48.47	18.17	0.5	18.18	1.59	48.59	18.23	0.63	18.24	2.0	1.0	0.19	0.165	0.248	0.156	1.415	12000317	(30WNA_60)	49	13	0	%
47.84	23.23	0.08	23.23	0.2	47.99	23.34	0.26	23.35	0.64	1.0	0.264	0.211	0.309	0.2	1.786	12000318	(30WNA_60)	49	18	1	%
48.76	27.97	0.29	27.97	0.61	48.92	28.05	0.45	28.06	0.92	1.0	0.239	0.197	0.255	0.191	1.791	12000319	(30WNA_60)	48	23	0	%
48.94	32.93	0.42	32.94	0.73	49.09	33.09	0.57	33.1	0.99	1.0	0.264	0.19	0.24	0.184	1.666	12000320	(30WNA_60)	49	28	0	%
49.09	-5.0	-0.37	5.02	184.32	49.23	-5.01	-0.24	5.02	182.8	1.0	0.189	0.183	0.193	0.18	1.506	12000321	(30WNA_60)	49	33	0	%
49.07	-10.39	0.31	10.4	178.28	49.18	-10.33	0.42	10.34	177.66	1.0	0.166	0.151	0.153	0.151	1.241	12000322	(30WNA_60)	49	-5	0	%
49.5	-15.2	-0.04	15.2	180.15	49.65	-15.16	0.09	15.16	179.65	1.0	0.201	0.182	0.168	0.179	1.601	12000323	(30WNA_60)	49	-10	0	%
49.16	-19.48	0.4	19.48	178.81	49.28	-19.5	0.53	19.51	178.43	1.0	0.179	0.158	0.143	0.154	1.378	12000324	(30WNA_60)	50	-15	0	%
48.93	-24.46	0.64	24.47	178.5	49.07	-24.51	0.77	24.52	178.19	1.0	0.196	0.167	0.145	0.165	1.503	12000325	(30WNA_60)	49	-19	0	%
49.64	-29.59	0.11	29.59	179.77	49.76	-29.63	0.22	29.64	179.56	1.0	0.169	0.143	0.121	0.143	1.322	12000326	(30WNA_60)	49	-24	1	%
48.85	-33.84	-0.74	33.85	181.26	49.0	-33.97	-0.59	33.98	180.99	1.0	0.254	0.189	0.164	0.188	1.682	12000327	(30WNA_60)	50	-30	0	%
49.08	-0.18	4.52	4.52	92.39	49.22	-0.16	4.64	4.65	92.04	1.0	0.185	0.171	0.176	0.173	1.453	12000328	(30WNA_60)	49	-34	-1	%
48.99	0.12	8.84	8.84	89.2	49.11	0.14	8.98	8.98	89.09	1.0	0.188	0.16	0.159	0.161	1.333	12000329	(30WNA_60)	49	0	5	%
48.79	-0.14	14.41	14.41	90.58	48.92	-0.12	14.57	14.57	90.47	1.0	0.207	0.166	0.157	0.168	1.444	12000330	(30WNA_60)	49	0	9	%
48.13	-0.56	19.8	19.8	91.62	48.28	-0.47	19.96	19.97	91.37	1.0	0.242	0.188	0.188	0.198	1.604	12000331	(30WNA_60)	49	0	14	%
47.55	-0.74	24.16	24.17	91.75	47.69	-0.65	24.33	24.34	91.54	1.0	0.239	0.176	0.175	0.182	1.502	12000332	(30WNA_60)	48	-1	20	%
48.04	-0.5	28.58	28.58	91.01	48.19	-0.42	28.73	28.73	90.84	1.0	0.229	0.175	0.165	0.179	1.586	12000333	(30WNA_60)	48	-1	24	%
48.03	-0.29	34.32	34.32	90.48	48.2	-0.2	34.52	34.52	90.34	1.0	0.271	0.19	0.178	0.192	1.718	12000334	(30WNA_60)	48	0	29	%
49.93	0.18	-5.5	5.51	271.94	50.09	0.21	-5.34	5.35	272.3	1.0	0.225	0.203	0.209	0.206	1.772	12000335	(30WNA_60)	48	0	34	%
49.8	0.31	-9.96	9.97	271.82	49.92	0.33	-9.85	9.86	271.96	1.0	0.163	0.142	0.133	0.144	1.359	12000336	(30WNA_60)	50	0	-5	%
49.05	0.36	-14.84	14.85	271.41	49.18	0.39	-14.72	14.72	271.51	1.0	0.184	0.155	0.139	0.157	1.572	12000337	(30WNA_60)	50	0	-10	%
48.29	-0.24	-19.47	19.47	269.27	48.44	-0.27	-19.34	19.34	269.18	1.0	0.199	0.166	0.146	0.167	1.773	12000338	(30WNA_60)	49	0	-15	%
48.44	-0.24	-24.68	24.68	269.43	48.57	-0.22	-24.57	24.57	269.48	1.0	0.165	0.135	0.116	0.135	1.495	12000339	(30WNA_60)	48	0	-19	%
49.12	-0.03	-29.64	29.64	269.92	49.25	-0.06	-29.54	29.54	269.87	1.0	0.167	0.142	0.118	0.142	1.578	12000340	(30WNA_60)	49	0	-25	%
49.2	-0.17	-34.31	34.32	269.71	49.35	-0.25	-34.19	34.19	269.57	1.0	0.21	0.164	0.144	0.166	1.803	12000341	(30WNA_60)	49	0	-30	%
21.61	-26.1	-0.2	26.1	180.44	21.76	-26.03	-0.12	26.03	180.28	1.0	0.177	0.158	0.216	0.12	1.684	12000342	(30WNA_60)	49	0	-34	%
34.58	-0.2	14.04	14.04	90.83	34.73	-0.17	14.19	14.2	90.72	1.0	0.209	0.171	0.181	0.152	1.645	12000343	(30WNA_60)	22	-26	0	%
48.94	-27.27	28.12	39.18	134.12	49.09	-27.3	28.31	39.33	133.96	1.0	0.237	0.171	0.15	0.168	1.531	12000344	(30WNA_60)	35	0	14	%
59.7	10.55	-11.52	15.62	312.5	59.87	10.57	-11.35	15.51	312.98	1.0	0.235	0.204	0.233	0.19	1.729	12000345	(30WNA_60)	49	-27	28	%
25.36	22.18	-22.18	31.37	314.99	25.51	22.28	-22.07	31.36	315.27	1.0	0.215	0.183	0.25	0.155	2.039	12000346	(30WNA_60)	60	11	-11	%
24.68	29.93	-43.9	53.13	304.28	24.84	29.87	-43.81	53.02	304.28	1.0	0.193	0.16	0.204	0.118	2.194	12000347	(30WNA_60)	25	22	-22	%
16.96	0.11	-0.76	0.77	278.49	17.1	0.34	-0.66	0.75	297.02	1.0	0.284	0.282	0.436	0.364	1.636	12000348	(30WNA_60)	25	30	-44	%
34.45	13.55	0.34	13.56	1.45	34.62	13.5	0.52	13.51	2.23	1.0	0.249	0.224	0.386	0.191	2.066	12000349	(30WNA_60)	17	0	-1	%

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
24.76	0.35	25.9	25.91	89.2	24.88	0.51	25.99	26.0	88.86	1.0	0.219	0.172	0.23	0.172	1.474	12000350	(30WNA_60)	35	14	0	%
48.07	13.29	-13.81	19.17	313.89	48.19	13.31	-13.69	19.1	314.19	1.0	0.175	0.153	0.174	0.152	1.489	12000351	(30WNA_60)	25	0	26	%
71.83	20.44	-21.88	29.94	313.05	71.99	20.45	-21.72	29.84	313.26	1.0	0.216	0.178	0.164	0.149	1.481	12000352	(30WNA_60)	48	13	-14	%
36.24	10.37	11.23	15.29	47.27	36.37	10.5	11.38	15.48	47.3	1.0	0.237	0.176	0.186	0.169	1.568	12000353	(30WNA_60)	72	20	-22	%
52.64	-28.59	-35.63	45.68	231.25	52.81	-28.87	-35.52	45.77	230.89	1.0	0.348	0.241	0.211	0.217	1.913	12000354	(30WNA_60)	36	10	11	%
55.17	-1.19	2.58	2.84	114.85	55.29	-1.17	2.7	2.95	113.38	1.0	0.178	0.17	0.185	0.167	1.287	12000355	(30WNA_60)	53	-29	-36	%
20.63	26.96	0.64	26.97	1.37	20.78	27.18	0.78	27.19	1.65	1.0	0.298	0.205	0.316	0.17	1.823	12000356	(30WNA_60)	55	-1	3	%
62.81	-0.81	-13.06	13.09	266.41	62.95	-0.82	-12.92	12.95	266.33	1.0	0.2	0.168	0.143	0.15	1.457	12000357	(30WNA_60)	21	27	1	%
48.99	26.32	-27.46	38.04	313.78	49.11	26.34	-27.35	37.98	313.92	1.0	0.166	0.138	0.135	0.14	1.488	12000358	(30WNA_60)	63	-1	-13	%
60.34	10.48	11.52	15.57	47.71	60.48	10.54	11.68	15.73	47.94	1.0	0.221	0.177	0.178	0.164	1.381	12000359	(30WNA_60)	49	26	-27	%
25.07	21.81	23.15	31.81	46.7	25.19	22.04	23.25	32.04	46.52	1.0	0.281	0.169	0.225	0.152	1.45	12000360	(30WNA_60)	60	11	12	%
38.17	-11.98	-11.01	16.28	222.59	38.29	-12.07	-10.89	16.26	222.05	1.0	0.196	0.174	0.179	0.164	1.585	12000361	(30WNA_60)	25	22	23	%
89.43	-3.65	4.45	5.76	129.39	89.61	-3.65	4.63	5.9	128.22	1.0	0.256	0.237	0.233	0.19	1.359	12000362	(30WNA_60)	38	-12	-11	%
62.99	-14.16	0.0	14.16	180.02	63.11	-14.17	0.12	14.17	179.47	1.0	0.183	0.167	0.151	0.147	1.244	12000363	(30WNA_60)	90	-4	5	%
72.81	-0.52	-24.28	24.28	268.75	72.94	-0.53	-24.16	24.17	268.72	1.0	0.168	0.136	0.1	0.108	1.176	12000364	(30WNA_60)	63	-14	0	%
49.47	13.0	13.2	18.53	45.42	49.59	13.08	13.35	18.69	45.6	1.0	0.211	0.157	0.168	0.158	1.306	12000365	(30WNA_60)	73	-1	-24	%
70.62	15.91	20.43	25.9	52.08	70.76	16.0	20.59	26.08	52.15	1.0	0.231	0.163	0.136	0.138	1.204	12000366	(30WNA_60)	50	13	13	%
59.93	-12.31	-11.07	16.56	221.96	60.07	-12.32	-10.93	16.48	221.58	1.0	0.19	0.167	0.145	0.151	1.414	12000367	(30WNA_60)	71	16	21	%
29.39	-19.88	-22.29	29.87	228.26	29.52	-20.0	-22.2	29.88	227.97	1.0	0.198	0.164	0.176	0.134	1.683	12000368	(30WNA_60)	60	-12	-11	%
47.09	-57.66	35.28	67.6	148.53	47.21	-57.69	35.39	67.68	148.47	1.0	0.164	0.125	0.105	0.12	1.225	12000369	(30WNA_60)	29	-20	-22	%
76.41	-25.81	-0.82	25.82	181.82	76.56	-25.84	-0.66	25.85	181.48	1.0	0.22	0.189	0.144	0.155	1.328	12000370	(30WNA_60)	47	-58	35	%
63.55	-1.1	14.01	14.06	94.5	63.67	-1.0	14.16	14.19	94.05	1.0	0.215	0.174	0.193	0.189	1.172	12000371	(30WNA_60)	76	-26	-1	%
49.52	26.14	27.34	37.83	46.27	49.63	26.26	27.49	38.02	46.3	1.0	0.222	0.13	0.122	0.13	1.141	12000372	(30WNA_60)	64	-1	14	%
49.61	-13.76	-13.55	19.32	224.56	49.78	-13.83	-13.4	19.26	224.09	1.0	0.235	0.209	0.188	0.206	1.934	12000373	(30WNA_60)	50	26	27	%
71.38	-23.37	-22.54	32.47	223.96	71.51	-23.44	-22.42	32.44	223.72	1.0	0.187	0.157	0.119	0.125	1.226	12000374	(30WNA_60)	50	-14	-13	%
38.46	-11.39	11.41	16.13	134.95	38.6	-11.39	11.58	16.24	134.52	1.0	0.218	0.183	0.193	0.163	1.622	12000375	(30WNA_60)	71	-23	-22	%
81.47	-9.44	92.87	93.35	95.8	81.65	-9.37	93.14	93.61	95.74	1.0	0.33	0.191	0.142	0.141	1.374	12000376	(30WNA_60)	39	-11	12	%
63.39	12.87	0.2	12.87	0.89	63.52	12.92	0.34	12.93	1.54	1.0	0.204	0.183	0.299	0.159	1.316	12000377	(30WNA_60)	82	-9	93	%
77.07	-1.22	28.15	28.18	92.49	77.22	-1.16	28.32	28.35	92.35	1.0	0.236	0.174	0.141	0.142	1.213	12000378	(30WNA_60)	63	13	0	%
35.77	-0.06	-13.65	13.65	269.73	35.88	-0.12	-13.54	13.54	269.45	1.0	0.17	0.144	0.157	0.143	1.512	12000379	(30WNA_60)	77	-1	28	%
48.47	-27.21	-28.72	39.57	226.55	48.59	-27.33	-28.62	39.58	226.32	1.0	0.201	0.159	0.136	0.149	1.496	12000380	(30WNA_60)	36	0	-14	%
59.8	-11.87	10.92	16.13	137.38	59.93	-11.84	11.07	16.21	136.93	1.0	0.196	0.168	0.161	0.152	1.242	12000381	(30WNA_60)	49	-27	-29	%
26.33	-22.35	23.11	32.15	134.03	26.5	-22.25	23.31	32.23	133.67	1.0	0.278	0.223	0.259	0.181	2.013	12000382	(30WNA_60)	60	-12	11	%
40.07	50.53	49.09	70.45	44.17	40.22	50.7	49.34	70.75	44.22	1.0	0.341	0.168	0.176	0.154	1.636	12000383	(30WNA_60)	26	-22	23	%
72.35	20.91	-3.63	21.22	350.14	72.5	20.98	-3.47	21.27	350.59	1.0	0.226	0.195	0.278	0.157	1.353	12000384	(30WNA_60)	40	51	49	%
35.98	-13.84	0.08	13.84	179.63	36.09	-13.95	0.19	13.95	179.2	1.0	0.187	0.157	0.167	0.148	1.406	12000385	(30WNA_60)	72	21	-4	%
21.09	-0.09	-28.38	28.38	269.8	21.24	-0.23	-28.3	28.3	269.52	1.0	0.221	0.183	0.251	0.159	1.972	12000386	(30WNA_60)	36	-14	0	%
48.68	-13.33	13.69	19.11	134.22	48.8	-13.25	13.83	19.15	133.77	1.0	0.198	0.171	0.171	0.169	1.329	12000387	(30WNA_60)	21	0	-28	%
71.28	-22.52	21.61	31.21	136.17	71.43	-22.51	21.78	31.32	135.94	1.0	0.225	0.179	0.142	0.145	1.285	12000388	(30WNA_60)	49	-13	14	%
37.48	11.12	-11.98	16.35	312.87	37.62	11.16	-11.85	16.28	313.29	1.0	0.201	0.179	0.225	0.164	1.844	12000389	(30WNA_60)	71	-23	22	%
37.33	62.76	-8.5	63.33	352.28	37.48	62.99	-8.35	63.54	352.44	1.0	0.311	0.181	0.231	0.155	1.875	12000390	(30WNA_60)	38	11	-12	%

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

%L*02	a*02	b*02	C*ab02	hab02	L*12	a*12	b*12	C*ab12	hab12	DV2	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (2) of experiment with CIELAB dE*ab<=2, iim=391, Kittelmann threshold data %																					
Minimum, maximum and average colour difference value																					
STRESS constant F and STRESS value S																					
i2i+1 = 391, d_CIELABmin2 = 0.09, d_CIELABmax2 = 1.76, d_CIELABave2 = 0.41																					
i2i+1 = 391, CIELABF2 = 0.41, CIELABSTRESS2 = 55.92																					
i2i+1 = 391, d_CIELCHmin2 = 0.09, d_CIELCHmax2 = 1.76, d_CIELCHave2 = 0.41																					
i2i+1 = 391, CIELCHF2 = 0.41, CIELCHSTRESS2 = 55.92																					
i2i+1 = 391, d_C94LCHmin2 = 0.07, d_C94LCHmax2 = 1.36, d_C94LCHave2 = 0.28																					
i2i+1 = 391, C94LCHF2 = 0.28, C94LCHSTRESS2 = 49.96																					
i2i+1 = 391, d_CCMLCHmin2 = 0.1, d_CCMLCHmax2 = 1.98, d_CCMLCHave2 = 0.38																					
i2i+1 = 391, CCMLCHF2 = 0.38, CCMLCHSTRESS2 = 57.61																					
i2i+1 = 391, d_C00LCHmin2 = 0.1, d_C00LCHmax2 = 1.55, d_C00LCHave2 = 0.31																					
i2i+1 = 391, C00LCHF2 = 0.31, C00LCHSTRESS2 = 50.49																					
i2i+1 = 391, d_C85LCHmin2 = 0.35, d_C85LCHmax2 = 6.48, d_C85LCHave2 = 1.57																					
i2i+1 = 391, C85LCHF2 = 1.57, C85LCHSTRESS2 = 48.7																					

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%XS4	YS4	ZS4	X04	Y04	Z04	X14	Y14	Z14	DV4	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
0096062	0100000	0106783	0009468	0008220	0008673	0009548	0008300	0008703	0001000	00249	00249	00224	00386	00191	02066	12000350	(30WNA_60)	35	14	0	0 %
0096062	0100000	0106783	0004185	0004330	0001155	0004234	0004370	0001165	0001000	00219	00219	00172	00230	00172	01474	12000351	(30WNA_60)	25	0	26	26 %
0096062	0100000	0106783	0018628	0016840	0025613	0018738	0016939	0025674	0001000	00175	00175	00153	00174	00152	01489	12000352	(30WNA_60)	48	13	-14	-14 %
0096062	0100000	0106783	0048822	0043405	0069487	0049073	0043635	0069627	0001000	00216	00216	00178	00164	00149	01481	12000353	(30WNA_60)	72	20	-22	-22 %
0096062	0100000	0106783	0010035	0009125	0006530	0010125	0009195	0006550	0001000	00237	00237	00176	00186	00169	01568	12000354	(30WNA_60)	36	10	11	11 %
0096062	0100000	0106783	0014667	0020715	0048732	0014738	0020865	0048894	0001000	00348	00348	00241	00211	00217	01913	12000355	(30WNA_60)	53	-29	-36	-36 %
0096062	0100000	0106783	0021922	0023090	0023131	0022042	0023210	0023181	0001000	00178	00178	00170	00185	00167	01287	12000356	(30WNA_60)	55	-1	3	3 %
0096062	0100000	0106783	0004846	0003140	0003250	0004916	0003180	0003270	0001000	00298	00298	00205	00316	00170	01823	12000357	(30WNA_60)	21	27	1	1 %
0096062	0100000	0106783	0029903	0031355	0044104	0030063	0031525	0044196	0001000	00200	00200	00168	00143	00150	01457	12000358	(30WNA_60)	63	-1	-13	-13 %
0096062	0100000	0106783	0022112	0017580	0036247	0022232	0017679	0036327	0001000	00166	00166	00138	00135	00140	01488	12000359	(30WNA_60)	49	26	-27	-27 %
0096062	0100000	0106783	0030078	0028500	0023117	0030258	0028660	0023167	0001000	00221	00221	00177	00178	00164	01381	12000360	(30WNA_60)	60	11	12	12 %
0096062	0100000	0106783	0006034	0004430	0001434	0006104	0004470	0001444	0001000	00281	00281	00169	00225	00152	01450	12000361	(30WNA_60)	25	22	23	23 %
0096062	0100000	0106783	0008343	0010175	0015186	0008393	0010245	0015226	0001000	00196	00196	00174	00179	00164	01585	12000362	(30WNA_60)	38	-12	-11	-11 %
0096062	0100000	0106783	0070396	0075079	0074422	0070757	0075460	0074574	0001000	00256	00256	00237	00233	00190	01359	12000363	(30WNA_60)	90	-4	5	5 %
0096062	0100000	0106783	0026691	0031564	0033710	0026821	0031715	0033770	0001000	00183	00183	00167	00151	00147	01244	12000364	(30WNA_60)	63	-14	0	0 %
0096062	0100000	0106783	0042929	0044875	0074527	0043108	0045065	0074657	0001000	00168	00168	00136	00100	00108	01176	12000365	(30WNA_60)	73	-1	-24	-24 %
0096062	0100000	0106783	0019762	0017970	0013209	0019882	0018070	0013230	0001000	00211	00211	00157	00168	00158	01306	12000366	(30WNA_60)	50	13	13	13 %
0096062	0100000	0106783	0045337	0041640	0028592	0045577	0041840	0028643	0001000	00231	00231	00163	00136	00138	01204	12000367	(30WNA_60)	71	16	21	21 %
0096062	0100000	0106783	0024011	0028045	0038209	0024142	0028195	0038289	0001000	00190	00190	00167	00145	00151	01414	12000368	(30WNA_60)	60	-12	-11	-11 %
0096062	0100000	0106783	0004166	0005985	0013566	0004196	0006035	0013617	0001000	00198	00198	00164	00176	00134	01683	12000369	(30WNA_60)	29	-20	-22	-22 %
0096062	0100000	0106783	0007555	0016084	0005290	0007605	0016174	0005310	0001000	00164	00164	00125	00105	00120	01225	12000370	(30WNA_60)	47	-58	35	35 %
0096062	0100000	0106783	0039720	0050555	0054826	0039919	0050805	0054935	0001000	00220	00220	00189	00144	00155	01328	12000371	(30WNA_60)	76	-26	-1	-1 %
0096062	0100000	0106783	0030677	0032244	0024914	0030847	0032395	0024955	0001000	00215	00215	00174	00193	00189	01172	12000372	(30WNA_60)	64	-1	14	14 %
0096062	0100000	0106783	0022574	0018015	0008372	0022703	0018105	0008382	0001000	00222	00222	00130	00122	00130	01141	12000373	(30WNA_60)	50	26	27	27 %
0096062	0100000	0106783	0014960	0018090	0027131	0015070	0018230	0027221	0001000	00235	00235	00209	00188	00206	01934	12000374	(30WNA_60)	50	-14	-13	-13 %
0096062	0100000	0106783	0033880	0042745	0069356	0034020	0042935	0069485	0001000	00187	00187	00157	00119	00125	01226	12000375	(30WNA_60)	71	-23	-22	-22 %
0096062	0100000	0106783	0008553	0010340	0007480	0008623	0010420	0007500	0001000	00218	00218	00183	00193	00163	01622	12000376	(30WNA_60)	39	-11	12	12 %
0096062	0100000	0106783	0053231	0059325	0005661	0053561	0059655	0005671	0001000	00330	00330	00191	00142	00141	01374	12000377	(30WNA_60)	82	-9	93	93 %
0096062	0100000	0106783	0034396	0032050	0034073	0034577	0032210	0034134	0001000	00204	00204	00183	00299	00159	01316	12000378	(30WNA_60)	63	13	0	0 %
0096062	0100000	0106783	0049158	0051645	0030910	0049418	0051895	0030970	0001000	00236	00236	00174	00141	00142	01213	12000379	(30WNA_60)	77	-1	28	28 %
0096062	0100000	0106783	0008523	0008880	0014537	0008573	0008940	0014577	0001000	00170	00170	00144	00157	00143	01512	12000380	(30WNA_60)	36	0	-14	-14 %
0096062	0100000	0106783	0012097	0017160	0036529	0012158	0017259	0036621	0001000	00201	00201	00159	00136	00149	01496	12000381	(30WNA_60)	49	-27	-29	-29 %
0096062	0100000	0106783	0023984	0027900	0022926	0024114	0028039	0022967	0001000	00196	00196	00168	00161	00152	01242	12000382	(30WNA_60)	60	-12	11	11 %
0096062	0100000	0106783	0003145	0004850	0001644	0003194	0004910	0001654	0001000	00278	00278	00223	00181	00203	01203	12000383	(30WNA_60)	26	-22	23	23 %
0096062	0100000	0106783	0019168	0011285	0001427	0019328	0011375	0001427	0001000	00341	00341	00168	00176	00154	01636	12000384	(30WNA_60)	40	51	49	49 %
0096062	0100000	0106783	0049826	0044180	0050635	0050087	0044400	0050726	0001000	00226	00226	00195	00278	00157	01353	12000385	(30WNA_60)	72	21	-4	-4 %
0096062	0100000	0106783	0007130	0008990	0009571	0007170	0009050	0009601	0001000	00187	00187	00157	00167	00148	01406	12000386	(30WNA_60)	36	-14	0	0 %
0096062	0100000	0106783	0003125	0003260	0010499	0003156	0003300	0010559	0001000	00221	00221	00183	00251	00159	01972	12000387	(30WNA_60)	21	0	-28	-28 %
0096062	0100000	0106783	0014370	0017330	0012487	0014470	0017429	0012517	0001000	00198	00198	00171	00171	00169	01329	12000388	(30WNA_60)	49	-13	14	14 %
0096062	0100000	0106783	0034003	0042600	0028566	0034193	0042820	0028626	0001000	00225	00225	00179	00142	00145	01285	12000389	(30WNA_60)	71	-23	22	22 %
0096062	0100000	0106783	0010834	0009790	0015088	0010924	0009870	0015139	0001000	00201	00201	00179	00225	00164	01844	12000390	(30WNA_60)	38	11	-12	-12 %
0096062	0100000	0106783	0019253	0009710	0013524	0019423	0009790	0013564	0001000	00311	00311	00181	00231	00155	01875	12000391	(30WNA_60)	37	63	-8	-8 %

%XS4	YS4	ZS4	X04	Y04	Z04	X14	Y14	Z14	DV4	dE*ab	dE*CH	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIEXYZ*1000 data for colours (4) of experiment with CIE DE2000 dE*<=2, iim=392, Kittelmann threshold data %																					
Minimum, maximum and average colour difference value																					
STRESS constant F and STRESS value S																					
i4i+1 = 392, d_CIELABmin4 = 0.09, d_CIELABmax4 = 2.09, d_CIELABave4 = 0.41																					
i4i+1 = 392, CIELABF4 = 0.41, CIELABSTRESS4 = 57.17																					
i4i+1 = 392, d_CIELCHmin4 = 0.09, d_CIELCHmax4 = 2.09, d_CIELCHave4 = 0.41																					
i4i+1 = 392, CIELCHF4 = 0.41, CIELCHSTRESS4 = 57.17																					
i4i+1 = 392, d_C94LCHmin4 = 0.07, d_C94LCHmax4 = 1.36, d_C94LCHave4 = 0.28																					
i4i+1 = 392, C94LCHF4 = 0.28, C94LCHSTRESS4 = 49.9																					
i4i+1 = 392, d_CCMLCHmin4 = 0.1, d_CCMLCHmax4 = 1.98, d_CCMLCHave4 = 0.38																					
i4i+1 = 392, CCMLCHF4 = 0.38, CCMLCHSTRESS4 = 57.54																					
i4i+1 = 392, d_C00LCHmin4 = 0.1, d_C00LCHmax4 = 1.55, d_C00LCHave4 = 0.31																					
i4i+1 = 392, C00LCHF4 = 0.31, C00LCHSTRESS4 = 50.42																					
i4i+1 = 392, d_C85LCHmin4 = 0.35, d_C85LCHmax4 = 6.48, d_C85LCHave4 = 1.57																					
i4i+1 = 392, C85LCHF4 = 1.57, C85LCHSTRESS4 = 48.71																					

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*
%CIELAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																				
48.81	-0.11	-0.03	0.11	195.62	48.85	0.11	0.03	0.11	15.62	1.0	0.239	0.239	0.368	0.348	0.706	12000000	(30RCA_60)	49	0	0 %
88.99	-2.35	1.18	2.63	153.36	89.03	-2.02	1.25	2.38	148.23	1.0	0.34	0.314	0.431	0.441	0.635	12000001	(30RCA_60)	89	-2	1 %
9.44	-0.49	0.34	0.6	145.53	9.52	-0.12	0.47	0.49	104.32	1.0	0.406	0.403	0.612	0.57	1.049	12000002	(30RCA_60)	9	0	0 %
48.26	37.72	0.9	37.73	1.37	48.35	38.03	1.05	38.05	1.59	1.0	0.358	0.172	0.233	0.167	1.234	12000003	(30RCA_60)	48	38	1 %
48.18	-39.04	0.32	39.04	179.51	48.26	-38.46	0.45	38.46	179.32	1.0	0.595	0.237	0.27	0.238	1.236	12000004	(30RCA_60)	48	-39	0 %
47.41	-0.14	39.06	39.06	90.21	47.46	0.21	39.15	39.15	89.69	1.0	0.373	0.234	0.307	0.272	0.991	12000005	(30RCA_60)	47	0	39 %
48.71	-0.35	-39.2	39.2	269.48	48.76	-0.11	-39.11	39.11	269.82	1.0	0.254	0.158	0.177	0.176	0.923	12000006	(30RCA_60)	49	0	-39 %
53.91	-0.58	0.21	0.62	159.59	53.93	-0.39	0.25	0.46	147.06	1.0	0.198	0.194	0.291	0.285	0.494	12000007	(30RCA_60)	54	0	0 %
59.14	-1.12	0.74	1.35	146.49	59.17	-0.95	0.79	1.24	140.25	1.0	0.18	0.174	0.25	0.248	0.478	12000008	(30RCA_60)	59	-1	1 %
63.28	-0.83	0.92	1.24	132.24	63.31	-0.64	0.96	1.15	123.79	1.0	0.197	0.192	0.276	0.278	0.469	12000009	(30RCA_60)	63	-1	1 %
68.32	-1.5	1.33	2.01	138.6	68.35	-1.3	1.38	1.9	133.41	1.0	0.211	0.202	0.281	0.285	0.491	12000010	(30RCA_60)	68	-1	1 %
73.32	-1.42	0.95	1.71	146.16	73.35	-1.2	0.99	1.56	140.42	1.0	0.219	0.209	0.296	0.299	0.466	12000011	(30RCA_60)	73	-1	1 %
78.23	-1.58	1.19	1.98	143.07	78.26	-1.42	1.24	1.88	138.82	1.0	0.175	0.167	0.232	0.233	0.402	12000012	(30RCA_60)	78	-2	1 %
82.98	-1.24	0.54	1.36	156.55	83.01	-1.0	0.59	1.16	149.3	1.0	0.252	0.242	0.348	0.347	0.501	12000013	(30RCA_60)	83	-1	1 %
45.21	-1.44	1.46	2.05	134.44	45.22	-1.31	1.49	1.98	131.26	1.0	0.133	0.127	0.177	0.181	0.351	12000014	(30RCA_60)	45	-1	1 %
38.83	-0.43	0.37	0.56	139.26	38.85	-0.27	0.4	0.48	124.29	1.0	0.161	0.158	0.238	0.233	0.455	12000015	(30RCA_60)	39	0	0 %
34.3	-0.63	0.99	1.18	122.52	34.32	-0.44	1.03	1.12	113.36	1.0	0.194	0.19	0.275	0.278	0.557	12000016	(30RCA_60)	34	-1	1 %
29.14	-0.26	0.9	0.94	106.41	29.17	-0.14	0.94	0.95	98.79	1.0	0.129	0.128	0.186	0.183	0.474	12000017	(30RCA_60)	29	0	1 %
24.24	-0.3	0.87	0.92	109.39	24.27	-0.15	0.93	0.94	99.67	1.0	0.162	0.16	0.234	0.229	0.587	12000018	(30RCA_60)	24	0	1 %
19.28	-0.44	0.51	0.68	131.26	19.32	-0.25	0.58	0.63	114.04	1.0	0.206	0.204	0.305	0.288	0.716	12000019	(30RCA_60)	19	0	1 %
13.85	0.3	-0.18	0.35	328.14	13.91	0.56	-0.08	0.57	351.2	1.0	0.289	0.286	0.444	0.401	0.903	12000020	(30RCA_60)	14	0	0 %
48.61	4.16	-0.58	4.2	352.05	48.63	4.32	-0.53	4.36	352.9	1.0	0.171	0.147	0.2	0.197	0.488	12000021	(30RCA_60)	49	4	-1 %
49.06	9.4	-0.69	9.43	355.77	49.09	9.6	-0.63	9.62	356.23	1.0	0.214	0.157	0.227	0.193	0.643	12000022	(30RCA_60)	49	10	-1 %
49.05	13.19	-0.03	13.19	359.86	49.11	13.48	0.07	13.48	0.31	1.0	0.312	0.21	0.297	0.243	0.993	12000023	(30RCA_60)	49	13	0 %
48.51	18.08	0.54	18.09	1.71	48.55	18.32	0.6	18.33	1.89	1.0	0.245	0.142	0.182	0.159	0.68	12000024	(30RCA_60)	49	18	1 %
47.88	23.11	0.12	23.11	0.29	47.94	23.46	0.22	23.46	0.55	1.0	0.366	0.196	0.256	0.204	1.061	12000025	(30RCA_60)	48	23	0 %
48.8	27.85	0.31	27.85	0.64	48.88	28.18	0.44	28.18	0.89	1.0	0.358	0.185	0.251	0.184	1.133	12000026	(30RCA_60)	49	28	0 %
48.98	32.82	0.43	32.82	0.76	49.05	33.2	0.56	33.21	0.96	1.0	0.409	0.189	0.246	0.187	1.168	12000027	(30RCA_60)	49	33	0 %
49.14	-5.07	-0.34	5.08	183.87	49.18	-4.94	-0.28	4.95	183.24	1.0	0.144	0.122	0.154	0.154	0.544	12000028	(30RCA_60)	49	-5	0 %
49.11	-10.49	0.34	10.49	178.12	49.14	-10.24	0.38	10.25	177.83	1.0	0.255	0.176	0.21	0.223	0.58	12000029	(30RCA_60)	49	-10	0 %
49.55	-15.35	-0.01	15.35	180.05	49.6	-15.02	0.06	15.02	179.74	1.0	0.342	0.211	0.241	0.249	0.859	12000030	(30RCA_60)	50	-15	0 %
49.2	-19.64	0.42	19.64	178.76	49.25	-19.34	0.5	19.35	178.49	1.0	0.312	0.178	0.198	0.197	0.81	12000031	(30RCA_60)	49	-19	0 %
48.97	-24.68	0.65	24.69	178.48	49.03	-24.29	0.75	24.3	178.21	1.0	0.403	0.208	0.229	0.219	0.996	12000032	(30RCA_60)	49	-24	1 %
49.67	-29.8	0.13	29.8	179.74	49.72	-29.42	0.2	29.42	179.59	1.0	0.392	0.178	0.201	0.183	0.831	12000033	(30RCA_60)	50	-30	0 %
48.89	-34.13	-0.73	34.14	181.22	48.97	-33.68	-0.6	33.69	181.03	1.0	0.475	0.208	0.231	0.21	1.149	12000034	(30RCA_60)	49	-34	-1 %
49.14	-0.26	4.56	4.57	93.28	49.16	-0.09	4.6	4.6	91.16	1.0	0.175	0.163	0.237	0.246	0.485	12000035	(30RCA_60)	49	0	5 %
49.04	0.04	8.89	8.89	89.69	49.06	0.21	8.93	8.93	88.6	1.0	0.177	0.155	0.259	0.236	0.483	12000036	(30RCA_60)	49	0	9 %
48.84	-0.21	14.46	14.46	90.86	48.87	-0.04	14.52	14.52	90.18	1.0	0.187	0.151	0.236	0.223	0.572	12000037	(30RCA_60)	49	0	14 %
48.19	-0.66	19.86	19.87	91.91	48.22	-0.37	19.9	19.9	91.08	1.0	0.294	0.226	0.336	0.318	0.715	12000038	(30RCA_60)	48	-1	20 %
47.61	-0.84	24.22	24.24	91.99	47.63	-0.55	24.27	24.27	91.3	1.0	0.297	0.218	0.31	0.28	0.725	12000039	(30RCA_60)	48	-1	24 %
48.1	-0.6	28.63	28.64	91.21	48.13	-0.31	28.68	28.68	90.63	1.0	0.293	0.205	0.283	0.247	0.713	12000040	(30RCA_60)	48	0	29 %
48.1	-0.36	34.39	34.39	90.61	48.14	-0.13	34.45	34.45	90.22	1.0	0.245	0.161	0.213	0.187	0.667	12000041	(30RCA_60)	48	0	34 %
50.0	0.11	-5.44	5.45	271.25	50.02	0.28	-5.4	5.41	272.99	1.0	0.17	0.157	0.226	0.237	0.486	12000042	(30RCA_60)	50	0	-5 %
49.85	0.27	-9.93	9.93	271.57	49.88	0.38	-9.89	9.89	272.22	1.0	0.12	0.103	0.152	0.155	0.409	12000043	(30RCA_60)	50	0	-10 %
49.1	0.32	-14.8	14.8	271.24	49.13	0.43	-14.76	14.76	271.69	1.0	0.124	0.1	0.137	0.146	0.43	12000044	(30RCA_60)	49	0	-15 %
48.35	-0.34	-19.44	19.44	268.97	48.39	-0.17	-19.37	19.37	269.49	1.0	0.191	0.145	0.184	0.195	0.673	12000045	(30RCA_60)	48	0	-19 %
48.49	-0.34	-24.65	24.65	269.19	48.52	-0.11	-24.61	24.61	269.72	1.0	0.234	0.169	0.208	0.21	0.637	12000046	(30RCA_60)	49	0	-25 %
49.17	-0.16	-29.61	29.61	269.68	49.2	0.06	-29.57	29.57	270.11	1.0	0.23	0.159	0.189	0.184	0.629	12000047	(30RCA_60)	49	0	-30 %
49.25	-0.32	-34.28	34.28	269.45	49.29	-0.1	-34.22	34.22	269.83	1.0	0.237	0.155	0.178	0.174	0.75	12000048	(30RCA_60)	49	0	-34 %
21.67	-26.45	-0.19	26.45	180.42	21.7	-25.68	-0.13	25.68	180.3	1.0	0.769	0.354	0.41	0.374	1.092	12000049	(30RCA_60)	22	-26	0 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*a*b*	%CIE LAB	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																						
34.65	-0.28	14.1	14.1	14.1	91.15	34.67	-0.09	14.14	14.14	90.4	1.0	0.188	0.155	0.249	0.234	0.525	12000050	(30RCA_60)	35	0	14 %	
48.98	-27.46	28.16	39.34	134.28	49.05	-27.11	28.27	39.17	133.79	1.0	0.375	0.225	0.233	0.205	0.856	12000051	(30RCA_60)	49	-27	28 %		
59.77	10.43	-11.46	15.5	312.3	59.8	10.7	-11.4	15.63	313.17	1.0	0.274	0.21	0.359	0.256	0.686	12000052	(30RCA_60)	60	11	-11 %		
25.41	22.09	-22.18	31.3	314.88	25.47	22.37	-22.07	31.43	315.38	1.0	0.307	0.202	0.31	0.208	1.159	12000053	(30RCA_60)	25	22	-22 %		
24.74	29.81	-43.88	53.05	304.19	24.78	29.98	-43.83	53.1	304.37	1.0	0.183	0.102	0.142	0.124	0.622	12000054	(30RCA_60)	25	30	-44 %		
17.01	0.11	-0.75	0.76	278.77	17.06	0.33	-0.67	0.75	296.61	1.0	0.241	0.238	0.355	0.341	0.811	12000055	(30RCA_60)	17	0	-1 %		
34.5	13.42	0.38	13.42	1.64	34.56	13.63	0.48	13.64	2.04	1.0	0.243	0.167	0.248	0.185	0.975	12000056	(30RCA_60)	35	14	0 %		
24.81	0.29	25.92	25.92	89.34	24.84	0.57	25.98	25.98	88.72	1.0	0.289	0.206	0.295	0.258	0.8	12000057	(30RCA_60)	25	0	26 %		
48.12	13.22	-13.77	19.1	313.83	48.14	13.37	-13.73	19.17	314.24	1.0	0.158	0.117	0.193	0.134	0.476	12000058	(30RCA_60)	48	13	-14 %		
71.89	20.33	-21.83	29.83	312.95	71.93	20.56	-21.77	29.94	313.36	1.0	0.245	0.161	0.243	0.171	0.6	12000059	(30RCA_60)	72	20	-22 %		
36.29	10.32	11.27	15.28	47.51	36.32	10.55	11.34	15.49	47.06	1.0	0.238	0.159	0.251	0.201	0.703	12000060	(30RCA_60)	36	10	11 %		
52.69	-28.84	-35.64	45.85	231.02	52.76	-28.62	-35.51	45.61	231.12	1.0	0.264	0.12	0.122	0.116	1.171	12000061	(30RCA_60)	53	-29	-36 %		
55.22	-1.25	2.62	2.91	115.53	55.24	-1.11	2.66	2.88	112.67	1.0	0.148	0.142	0.194	0.203	0.387	12000062	(30RCA_60)	55	-1	3 %		
20.67	26.86	0.65	26.87	1.39	20.75	27.28	0.78	27.29	1.64	1.0	0.444	0.222	0.3	0.218	1.27	12000063	(30RCA_60)	21	27	1 %		
62.86	-0.9	-13.02	13.05	266.04	62.9	-0.74	-12.97	12.99	266.7	1.0	0.169	0.137	0.187	0.195	0.505	12000064	(30RCA_60)	63	-1	-13 %		
49.03	26.22	-27.44	37.96	313.7	49.07	26.43	-27.38	38.06	313.99	1.0	0.222	0.134	0.197	0.143	0.675	12000065	(30RCA_60)	49	26	-27 %		
60.39	10.38	11.56	15.54	48.08	60.44	10.63	11.64	15.77	47.57	1.0	0.272	0.181	0.282	0.227	0.682	12000066	(30RCA_60)	60	11	12 %		
25.1	21.79	23.15	31.79	46.73	25.16	22.07	23.25	32.06	46.5	1.0	0.304	0.154	0.219	0.157	0.897	12000067	(30RCA_60)	25	22	23 %		
38.2	-12.13	-11.0	16.38	222.19	38.26	-11.92	-10.91	16.16	222.45	1.0	0.236	0.149	0.168	0.173	0.908	12000068	(30RCA_60)	38	-12	-11 %		
89.5	-3.76	4.51	5.88	129.8	89.54	-3.54	4.57	5.78	127.78	1.0	0.229	0.206	0.283	0.276	0.437	12000069	(30RCA_60)	90	-4	5 %		
63.03	-14.32	0.02	14.32	179.89	63.07	-14.01	0.09	14.01	179.6	1.0	0.32	0.202	0.232	0.241	0.704	12000070	(30RCA_60)	63	-14	0 %		
72.86	-0.65	-24.24	24.25	268.45	72.89	-0.41	-24.2	24.2	269.02	1.0	0.248	0.181	0.222	0.223	0.533	12000071	(30RCA_60)	73	-1	-24 %		
49.51	12.92	13.24	18.5	45.71	49.55	13.16	13.31	18.72	45.32	1.0	0.25	0.157	0.242	0.19	0.65	12000072	(30RCA_60)	50	13	13 %		
70.67	15.8	20.47	25.86	52.32	70.72	16.11	20.56	26.12	51.92	1.0	0.321	0.185	0.276	0.206	0.725	12000073	(30RCA_60)	71	16	21 %		
59.97	-12.48	-11.05	16.67	221.5	60.03	-12.15	-10.96	16.36	222.04	1.0	0.352	0.223	0.251	0.266	0.89	12000074	(30RCA_60)	60	-12	-11 %		
29.43	-20.04	-22.29	29.98	228.03	29.48	-19.84	-22.2	29.78	228.21	1.0	0.225	0.117	0.13	0.111	0.918	12000075	(30RCA_60)	29	-20	-22 %		
47.11	-57.92	35.27	67.82	148.65	47.19	-57.43	35.4	67.46	148.34	1.0	0.518	0.217	0.224	0.193	0.979	12000076	(30RCA_60)	47	-58	35 %		
76.46	-26.03	-0.79	26.05	181.74	76.51	-25.61	-0.69	25.62	181.56	1.0	0.433	0.21	0.234	0.217	0.79	12000077	(30RCA_60)	76	-26	-1 %		
63.6	-1.16	14.06	14.11	94.74	63.62	-0.94	14.11	14.14	93.81	1.0	0.234	0.193	0.304	0.289	0.512	12000078	(30RCA_60)	64	-1	14 %		
49.55	26.06	27.37	37.79	46.4	49.6	26.35	27.45	38.05	46.17	1.0	0.306	0.145	0.21	0.155	0.757	12000079	(30RCA_60)	50	26	27 %		
49.67	-13.96	-13.52	19.43	224.08	49.72	-13.63	-13.44	19.14	224.58	1.0	0.341	0.209	0.232	0.24	0.9	12000080	(30RCA_60)	50	-14	-13 %		
71.42	-23.6	-22.52	32.62	223.66	71.47	-23.21	-22.44	32.29	224.02	1.0	0.395	0.199	0.21	0.188	0.773	12000081	(30RCA_60)	71	-23	-22 %		
38.51	-11.49	11.47	16.23	135.06	38.55	-11.3	11.53	16.14	134.42	1.0	0.206	0.158	0.192	0.179	0.583	12000082	(30RCA_60)	39	-11	12 %		
81.54	-9.59	92.96	93.46	95.89	81.59	-9.22	93.05	93.51	95.65	1.0	0.388	0.166	0.216	0.2	0.687	12000083	(30RCA_60)	82	-9	93 %		
63.43	12.76	0.23	12.76	1.07	63.47	13.03	0.3	13.03	1.36	1.0	0.281	0.185	0.24	0.22	0.686	12000084	(30RCA_60)	63	13	0 %		
77.13	-1.32	28.21	28.24	92.68	77.16	-1.07	28.26	28.28	92.17	1.0	0.256	0.18	0.245	0.215	0.5	12000085	(30RCA_60)	77	-1	28 %		
35.82	-0.14	-13.61	13.61	269.41	35.83	-0.05	-13.58	13.58	269.78	1.0	0.097	0.079	0.109	0.114	0.374	12000086	(30RCA_60)	36	0	-14 %		
48.49	-27.42	-28.74	39.72	226.34	48.57	-27.12	-28.61	39.43	226.52	1.0	0.328	0.15	0.159	0.145	1.211	12000087	(30RCA_60)	49	-27	-29 %		
59.84	-12.04	10.95	16.28	137.7	59.89	-11.67	11.03	16.06	136.6	1.0	0.382	0.282	0.339	0.324	0.811	12000088	(30RCA_60)	60	-12	11 %		
26.39	-22.6	23.16	32.36	134.29	26.44	-22.0	23.26	32.02	133.41	1.0	0.606	0.366	0.398	0.342	1.142	12000089	(30RCA_60)	26	-22	23 %		
40.08	50.43	49.12	70.4	44.24	40.2	50.79	49.32	70.8	44.15	1.0	0.429	0.158	0.192	0.152	1.363	12000090	(30RCA_60)	40	51	49 %		
72.4	20.79	-3.6	21.1	350.17	72.45	21.1	-3.5	21.39	350.55	1.0	0.323	0.189	0.279	0.194	0.756	12000091	(30RCA_60)	72	21	-4 %		
36.02	-14.06	0.1	14.06	179.56	36.06	-13.73	0.17	13.73	179.27	1.0	0.335	0.211	0.245	0.254	0.839	12000092	(30RCA_60)	36	-14	0 %		
21.15	-0.33	-28.37	28.37	269.32	21.18	0.0	-28.31	28.31	270.0	1.0	0.345	0.24	0.291	0.28	1.034	12000093	(30RCA_60)	21	0	-28 %		
48.72	-13.42	13.73	19.2	134.35	48.76	-13.15	13.79	19.06	133.64	1.0	0.278	0.202	0.237	0.221	0.654	12000094	(30RCA_60)	49	-13	14 %		
71.34	-22.68	21.66	31.37	136.32	71.38	-22.34	21.73	31.17	135.79	1.0	0.353	0.217	0.231	0.201	0.617	12000095	(30RCA_60)	71	-23	22 %		
37.53	11.0	-11.95	16.24	312.64	37.57	11.29	-11.88	16.39	313.52	1.0	0.295	0.222	0.377	0.268	0.861	12000096	(30RCA_60)	38	11	-12 %		
37.35	62.68	-8.52	63.26	352.25	37.46	63.06	-8.33	63.61	352.46	1.0	0.435	0.185	0.272	0.163	1.674	12000097	(30RCA_60)	37	63	-8 %		
48.79	0.13	-0.06	0.14	333.68	48.87	-0.13	0.06	0.14	153.64	1.0	0.304	0.304	0.457	0.421	1.223	12000098	(30GMA_60)	49	0	0 %		
88.96	-2.02	1.14	2.32	150.46	89.06	-2.36	1.29	2.69	151.33	1.0	0.383	0.349	0.476	0.462	0.985	12000099	(30GMA_60)	89	-2	1 %		

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%L*	a*	b*	C*ab	hab	L*	a*	b*	C*ab	hab	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
CIE LAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
9.4	0.03	0.27	0.27	83.27	9.56	-0.65	0.54	0.85	139.99	1.0	0.753	0.747	1.166	1.041	2.018	12000100	(30GMA_60)	9	0	0	0 %
48.24	38.11	0.87	38.12	1.32	48.37	37.64	1.08	37.66	1.65	1.0	0.526	0.253	0.35	0.246	1.912	12000101	(30GMA_60)	48	38	1	1 %
48.16	-38.58	0.3	38.58	179.54	48.27	-38.91	0.47	38.92	179.29	1.0	0.393	0.199	0.199	0.198	1.449	12000102	(30GMA_60)	48	-39	0	0 %
47.38	0.24	39.03	39.03	89.63	47.5	-0.18	39.18	39.18	90.27	1.0	0.476	0.304	0.387	0.348	1.578	12000103	(30GMA_60)	47	0	39	39 %
48.66	0.0	-39.27	39.27	270.0	48.8	-0.47	-39.04	39.04	269.3	1.0	0.547	0.342	0.378	0.373	2.319	12000104	(30GMA_60)	49	0	-39	-39 %
53.89	-0.39	0.19	0.44	153.56	53.94	-0.58	0.27	0.64	154.7	1.0	0.203	0.199	0.297	0.277	0.73	12000105	(30GMA_60)	54	0	0	0 %
59.13	-0.94	0.72	1.19	142.23	59.18	-1.13	0.81	1.39	144.58	1.0	0.22	0.21	0.301	0.289	0.73	12000106	(30GMA_60)	59	-1	1	1 %
63.26	-0.61	0.88	1.07	124.91	63.33	-0.86	0.99	1.32	130.83	1.0	0.281	0.27	0.388	0.369	0.936	12000107	(30GMA_60)	63	-1	1	1 %
68.3	-1.31	1.31	1.85	135.08	68.36	-1.5	1.4	2.05	136.99	1.0	0.215	0.201	0.279	0.27	0.692	12000108	(30GMA_60)	68	-1	1	1 %
73.3	-1.18	0.91	1.5	142.29	73.37	-1.43	1.03	1.77	144.37	1.0	0.283	0.267	0.377	0.36	0.835	12000109	(30GMA_60)	73	-1	1	1 %
78.21	-1.36	1.15	1.78	139.75	78.28	-1.64	1.27	2.08	142.07	1.0	0.311	0.29	0.406	0.391	0.863	12000110	(30GMA_60)	78	-2	1	1 %
82.96	-1.01	0.51	1.14	152.95	83.03	-1.23	0.61	1.38	153.41	1.0	0.252	0.241	0.345	0.324	0.713	12000111	(30GMA_60)	83	-1	1	1 %
45.19	-1.28	1.44	1.93	131.7	45.24	-1.46	1.51	2.1	133.96	1.0	0.197	0.184	0.255	0.252	0.778	12000112	(30GMA_60)	45	-1	1	1 %
38.82	-0.24	0.34	0.41	125.14	38.87	-0.46	0.43	0.63	137.13	1.0	0.246	0.242	0.365	0.34	0.905	12000113	(30GMA_60)	39	0	0	0 %
34.28	-0.45	0.97	1.08	114.89	34.34	-0.62	1.05	1.22	120.85	1.0	0.197	0.191	0.273	0.262	0.89	12000114	(30GMA_60)	34	-1	1	1 %
29.12	-0.09	0.85	0.86	96.57	29.19	-0.31	0.99	1.03	107.55	1.0	0.262	0.256	0.374	0.343	1.217	12000115	(30GMA_60)	29	0	1	1 %
24.2	-0.03	0.84	0.84	92.15	24.3	-0.43	0.95	1.05	114.42	1.0	0.429	0.422	0.621	0.606	1.579	12000116	(30GMA_60)	24	0	1	1 %
19.24	-0.08	0.43	0.44	101.11	19.37	-0.62	0.65	0.9	133.47	1.0	0.594	0.586	0.894	0.816	2.121	12000117	(30GMA_60)	19	0	1	1 %
13.82	0.68	-0.23	0.72	340.72	13.94	0.18	-0.03	0.18	348.9	1.0	0.551	0.534	0.819	0.756	1.774	12000118	(30GMA_60)	14	0	0	0 %
48.59	4.32	-0.59	4.36	352.19	48.64	4.16	-0.52	4.19	352.79	1.0	0.182	0.156	0.203	0.203	0.705	12000119	(30GMA_60)	49	4	-1	-1 %
49.05	9.61	-0.7	9.63	355.79	49.11	9.4	-0.61	9.42	356.22	1.0	0.237	0.175	0.237	0.211	0.89	12000120	(30GMA_60)	49	10	-1	-1 %
49.03	13.49	-0.05	13.49	359.77	49.13	13.17	0.09	13.17	0.41	1.0	0.37	0.256	0.379	0.29	1.426	12000121	(30GMA_60)	49	13	0	0 %
48.49	18.33	0.51	18.34	1.62	48.57	18.06	0.62	18.07	1.98	1.0	0.301	0.188	0.268	0.203	1.105	12000122	(30GMA_60)	49	18	1	1 %
47.86	23.45	0.09	23.45	0.23	47.96	23.12	0.25	23.12	0.61	1.0	0.386	0.225	0.315	0.229	1.495	12000123	(30GMA_60)	48	23	0	0 %
48.77	28.29	0.27	28.29	0.55	48.91	27.74	0.47	27.74	0.98	1.0	0.603	0.313	0.42	0.314	2.086	12000124	(30GMA_60)	49	28	0	0 %
48.96	33.21	0.41	33.21	0.71	49.07	32.82	0.58	32.82	1.01	1.0	0.437	0.223	0.304	0.218	1.63	12000125	(30GMA_60)	49	33	0	0 %
49.13	-4.88	-0.36	4.89	184.28	49.2	-5.14	-0.25	5.14	182.87	1.0	0.29	0.248	0.315	0.317	1.044	12000126	(30GMA_60)	49	-5	0	0 %
49.1	-10.29	0.33	10.29	178.14	49.15	-10.44	0.39	10.45	177.81	1.0	0.173	0.128	0.147	0.151	0.644	12000127	(30GMA_60)	49	-10	0	0 %
49.53	-15.03	-0.04	15.04	180.18	49.62	-15.33	0.09	15.33	179.63	1.0	0.342	0.233	0.255	0.257	1.282	12000128	(30GMA_60)	50	-15	0	0 %
49.19	-19.36	0.4	19.37	178.8	49.26	-19.61	0.52	19.62	178.45	1.0	0.291	0.18	0.193	0.191	1.013	12000129	(30GMA_60)	49	-19	0	0 %
48.94	-24.29	0.62	24.3	178.53	49.06	-24.68	0.79	24.69	178.16	1.0	0.445	0.254	0.266	0.261	1.559	12000130	(30GMA_60)	49	-24	1	1 %
49.64	-29.41	0.08	29.41	179.83	49.75	-29.81	0.25	29.81	179.51	1.0	0.446	0.233	0.243	0.235	1.425	12000131	(30GMA_60)	50	-30	0	0 %
48.86	-33.69	-0.77	33.7	181.31	49.0	-34.12	-0.56	34.13	180.94	1.0	0.502	0.262	0.266	0.262	1.76	12000132	(30GMA_60)	49	-34	-1	-1 %
49.11	-0.02	4.52	4.52	90.26	49.19	-0.33	4.64	4.66	94.11	1.0	0.349	0.323	0.457	0.468	1.229	12000133	(30GMA_60)	49	0	5	5 %
49.03	0.21	8.88	8.88	88.63	49.08	0.05	8.94	8.94	89.66	1.0	0.177	0.155	0.251	0.228	0.649	12000134	(30GMA_60)	49	0	9	9 %
48.8	0.05	14.41	14.41	89.79	48.9	-0.31	14.58	14.58	91.25	1.0	0.418	0.335	0.514	0.484	1.391	12000135	(30GMA_60)	49	0	14	14 %
48.17	-0.41	19.84	19.85	91.19	48.24	-0.62	19.92	19.93	91.8	1.0	0.237	0.181	0.257	0.244	0.827	12000136	(30GMA_60)	48	-1	20	20 %
47.59	-0.58	24.19	24.2	91.39	47.65	-0.8	24.3	24.32	91.9	1.0	0.253	0.179	0.241	0.221	0.854	12000137	(30GMA_60)	48	-1	24	24 %
48.08	-0.32	28.61	28.61	90.65	48.15	-0.59	28.7	28.71	91.19	1.0	0.295	0.206	0.273	0.243	1.002	12000138	(30GMA_60)	48	0	29	29 %
48.07	-0.08	34.37	34.37	90.14	48.16	-0.41	34.48	34.48	90.68	1.0	0.352	0.234	0.301	0.268	1.179	12000139	(30GMA_60)	48	0	34	34 %
49.97	0.32	-5.49	5.5	273.43	50.04	0.07	-5.36	5.36	270.77	1.0	0.293	0.265	0.371	0.383	1.109	12000140	(30GMA_60)	50	0	-5	-5 %
49.83	0.45	-9.96	9.97	272.61	49.9	0.2	-9.85	9.85	271.16	1.0	0.286	0.243	0.352	0.357	1.09	12000141	(30GMA_60)	50	0	-10	-10 %
49.07	0.53	-14.84	14.85	272.06	49.16	0.22	-14.71	14.72	270.86	1.0	0.351	0.281	0.38	0.404	1.35	12000142	(30GMA_60)	49	0	-15	-15 %
48.32	-0.09	-19.47	19.47	269.7	48.41	-0.41	-19.34	19.34	268.75	1.0	0.359	0.273	0.344	0.362	1.413	12000143	(30GMA_60)	48	0	-19	-19 %
48.46	-0.1	-24.69	24.69	269.76	48.55	-0.36	-24.57	24.57	269.15	1.0	0.302	0.218	0.257	0.259	1.329	12000144	(30GMA_60)	49	0	-25	-25 %
49.13	0.15	-29.68	29.68	270.3	49.24	-0.26	-29.5	29.5	269.49	1.0	0.468	0.319	0.37	0.361	1.854	12000145	(30GMA_60)	49	0	-30	-30 %
49.21	0.0	-34.35	34.35	269.99	49.33	-0.42	-34.15	34.15	269.29	1.0	0.477	0.31	0.348	0.34	2.025	12000146	(30GMA_60)	49	0	-34	-34 %
21.63	-25.95	-0.23	25.95	180.51	21.74	-26.18	-0.1	26.18	180.22	1.0	0.29	0.18	0.22	0.165	1.392	12000147	(30GMA_60)	22	-26	0	0 %
34.62	-0.01	14.07	14.07	90.07	34.7	-0.36	14.17	14.17	91.48	1.0	0.37	0.304	0.482	0.449	1.289	12000148	(30GMA_60)	35	0	14	14 %
48.97	-27.11	28.15	39.08	133.92	49.06	-27.46	28.28	39.42	134.16	1.0	0.392	0.188	0.199	0.183	1.122	12000149	(30GMA_60)	49	-27	28	28 %

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%L*	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*
%CIE LAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																				
59.73	10.74	-11.51	15.74	313.01	59.83	10.39	-11.35	15.39	312.46	1.0	0.398	0.26	0.333	0.309	1.398	12000150	(30GMA_60)	60	11	-11 %
25.38	22.44	-22.23	31.59	315.26	25.5	22.01	-22.02	31.14	314.99	1.0	0.494	0.245	0.311	0.237	2.338	12000151	(30GMA_60)	25	22	-22 %
24.7	30.17	-43.96	53.32	304.46	24.82	29.62	-43.75	52.84	304.1	1.0	0.604	0.268	0.361	0.292	2.519	12000152	(30GMA_60)	25	30	-44 %
16.98	0.32	-0.76	0.82	293.17	17.08	0.12	-0.67	0.68	280.9	1.0	0.235	0.23	0.353	0.308	1.168	12000153	(30GMA_60)	17	0	-1 %
34.48	13.75	0.36	13.75	1.5	34.58	13.3	0.5	13.31	2.18	1.0	0.476	0.317	0.451	0.366	1.762	12000154	(30GMA_60)	35	14	0 %
24.79	0.5	25.96	25.96	88.89	24.85	0.37	25.94	25.94	89.17	1.0	0.145	0.112	0.156	0.126	0.788	12000155	(30GMA_60)	25	0	26 %
48.09	13.44	-13.81	19.27	314.21	48.17	13.16	-13.69	19.0	313.86	1.0	0.309	0.189	0.241	0.218	1.197	12000156	(30GMA_60)	48	13	-14 %
71.85	20.65	-21.89	30.09	313.33	71.96	20.24	-21.72	29.68	312.98	1.0	0.458	0.239	0.291	0.24	1.408	12000157	(30GMA_60)	72	20	-22 %
36.26	10.6	11.22	15.44	46.63	36.35	10.27	11.38	15.33	47.94	1.0	0.378	0.306	0.605	0.379	1.436	12000158	(30GMA_60)	36	10	11 %
52.66	-28.48	-35.68	45.65	231.4	52.79	-28.98	-35.47	45.81	230.74	1.0	0.562	0.341	0.32	0.288	1.949	12000159	(30GMA_60)	53	-29	-36 %
55.2	-1.07	2.59	2.8	112.52	55.27	-1.29	2.69	2.99	115.59	1.0	0.252	0.233	0.312	0.317	0.93	12000160	(30GMA_60)	55	-1	3 %
20.65	27.25	0.64	27.26	1.36	20.77	26.89	0.78	26.9	1.67	1.0	0.406	0.224	0.327	0.209	1.686	12000161	(30GMA_60)	21	27	1 %
62.84	-0.68	-13.06	13.08	267.01	62.92	-0.96	-12.93	12.96	265.72	1.0	0.325	0.268	0.361	0.371	1.125	12000162	(30GMA_60)	63	-1	-13 %
49.0	26.52	-27.49	38.2	313.97	49.11	26.14	-27.32	37.82	313.72	1.0	0.433	0.207	0.247	0.212	1.78	12000163	(30GMA_60)	49	26	-27 %
60.36	10.7	11.52	15.73	47.12	60.47	10.31	11.67	15.58	48.53	1.0	0.424	0.339	0.656	0.424	1.329	12000164	(30GMA_60)	60	11	12 %
25.1	22.06	23.2	32.02	46.44	25.16	21.79	23.2	31.83	46.78	1.0	0.275	0.162	0.26	0.173	0.973	12000165	(30GMA_60)	25	22	23 %
38.19	-11.88	-11.02	16.2	222.84	38.26	-12.18	-10.89	16.34	221.8	1.0	0.336	0.261	0.294	0.291	1.208	12000166	(30GMA_60)	38	-12	-11 %
89.48	-3.5	4.48	5.69	128.03	89.56	-3.8	4.61	5.97	129.53	1.0	0.336	0.281	0.358	0.366	0.83	12000167	(30GMA_60)	90	-4	5 %
63.01	-14.03	0.0	14.03	180.01	63.09	-14.3	0.12	14.3	179.49	1.0	0.316	0.216	0.239	0.24	1.007	12000168	(30GMA_60)	63	-14	0 %
72.83	-0.39	-24.28	24.29	269.06	72.91	-0.67	-24.16	24.17	268.4	1.0	0.317	0.228	0.269	0.269	1.008	12000169	(30GMA_60)	73	-1	-24 %
49.49	13.17	13.21	18.66	45.09	49.56	12.91	13.34	18.56	45.94	1.0	0.301	0.233	0.443	0.281	1.015	12000170	(30GMA_60)	50	13	13 %
70.64	16.14	20.44	26.04	51.7	70.75	15.77	20.59	25.94	52.53	1.0	0.403	0.293	0.499	0.334	1.142	12000171	(30GMA_60)	71	16	21 %
59.95	-12.15	-11.08	16.44	222.36	60.05	-12.49	-10.92	16.59	221.18	1.0	0.385	0.303	0.332	0.332	1.302	12000172	(30GMA_60)	60	-12	-11 %
29.41	-19.8	-22.32	29.84	228.42	29.51	-20.08	-22.16	29.91	227.81	1.0	0.341	0.244	0.249	0.211	1.692	12000173	(30GMA_60)	29	-20	-22 %
47.09	-57.51	35.26	67.46	148.48	47.21	-57.83	35.41	67.82	148.51	1.0	0.372	0.147	0.153	0.144	1.245	12000174	(30GMA_60)	47	-58	35 %
76.44	-25.67	-0.82	25.69	181.83	76.53	-25.97	-0.67	25.98	181.48	1.0	0.347	0.2	0.201	0.193	0.966	12000175	(30GMA_60)	76	-26	-1 %
63.58	-0.96	14.04	14.07	93.94	63.64	-1.14	14.13	14.18	94.61	1.0	0.207	0.163	0.235	0.225	0.665	12000176	(30GMA_60)	64	-1	14 %
49.53	26.36	27.36	37.99	46.05	49.62	26.04	27.47	37.85	46.52	1.0	0.348	0.219	0.357	0.244	1.139	12000177	(30GMA_60)	50	26	27 %
49.64	-13.59	-13.56	19.2	224.93	49.75	-14.0	-13.39	19.37	223.72	1.0	0.455	0.346	0.37	0.368	1.601	12000178	(30GMA_60)	50	-14	-13 %
71.39	-23.22	-22.57	32.38	224.17	71.5	-23.59	-22.4	32.53	223.51	1.0	0.416	0.281	0.264	0.244	1.283	12000179	(30GMA_60)	71	-23	-22 %
38.48	-11.25	11.42	16.03	134.56	38.57	-11.54	11.57	16.34	134.91	1.0	0.338	0.216	0.246	0.247	1.194	12000180	(30GMA_60)	39	-11	12 %
81.51	-9.25	92.94	93.4	95.68	81.61	-9.56	93.07	93.56	95.86	1.0	0.359	0.166	0.187	0.174	0.916	12000181	(30GMA_60)	82	-9	93 %
63.4	13.11	0.18	13.11	0.81	63.51	12.68	0.36	12.69	1.62	1.0	0.475	0.327	0.476	0.373	1.506	12000182	(30GMA_60)	63	13	0 %
77.11	-1.06	28.18	28.2	92.17	77.18	-1.32	28.29	28.32	92.67	1.0	0.286	0.198	0.254	0.225	0.772	12000183	(30GMA_60)	77	-1	28 %
35.8	0.02	-13.63	13.63	270.12	35.85	-0.22	-13.55	13.56	269.06	1.0	0.267	0.22	0.307	0.32	1.033	12000184	(30GMA_60)	36	0	-14 %
48.47	-27.1	-28.76	39.52	226.71	48.59	-27.44	-28.58	39.63	226.16	1.0	0.407	0.264	0.247	0.231	1.682	12000185	(30GMA_60)	49	-27	-29 %
59.82	-11.72	10.93	16.03	136.99	59.91	-11.99	11.05	16.31	137.31	1.0	0.301	0.193	0.213	0.221	0.936	12000186	(30GMA_60)	60	-12	11 %
26.36	-22.14	23.16	32.04	133.7	26.47	-22.46	23.26	32.34	134.0	1.0	0.36	0.202	0.234	0.183	1.383	12000187	(30GMA_60)	26	-22	23 %
40.09	50.8	49.13	70.67	44.04	40.19	50.42	49.3	70.52	44.35	1.0	0.424	0.214	0.346	0.242	1.406	12000188	(30GMA_60)	40	51	49 %
72.37	21.15	-3.64	21.46	350.23	72.48	20.74	-3.46	21.03	350.51	1.0	0.458	0.259	0.308	0.265	1.373	12000189	(30GMA_60)	72	21	-4 %
35.99	-13.69	0.07	13.69	179.68	36.08	-14.1	0.2	14.1	179.16	1.0	0.438	0.29	0.333	0.333	1.453	12000190	(30GMA_60)	36	-14	0 %
21.11	0.07	-28.42	28.42	270.15	21.22	-0.4	-28.26	28.26	269.17	1.0	0.523	0.365	0.45	0.411	2.13	12000191	(30GMA_60)	21	0	-28 %
48.71	-13.16	13.71	19.0	133.82	48.78	-13.42	13.81	19.26	134.17	1.0	0.286	0.178	0.198	0.201	0.921	12000192	(30GMA_60)	49	-13	14 %
71.31	-22.34	21.61	31.09	135.95	71.41	-22.68	21.77	31.44	136.16	1.0	0.386	0.196	0.203	0.184	1.005	12000193	(30GMA_60)	71	-23	22 %
37.5	11.3	-11.98	16.47	313.32	37.59	10.98	-11.85	16.16	312.83	1.0	0.354	0.23	0.301	0.27	1.526	12000194	(30GMA_60)	38	11	-12 %
37.34	63.13	-8.53	63.7	352.3	37.47	62.61	-8.32	63.17	352.42	1.0	0.57	0.201	0.257	0.186	2.199	12000195	(30GMA_60)	37	63	-8 %
48.82	-0.08	0.2	0.22	112.11	48.84	0.08	-0.2	0.22	292.23	1.0	0.452	0.45	0.693	0.489	1.953	12000196	(30BYA_60)	49	0	0 %
89.0	-2.34	1.55	2.81	146.51	89.01	-2.04	0.88	2.22	156.5	1.0	0.726	0.663	0.913	0.71	2.105	12000197	(30BYA_60)	89	-2	1 %
9.48	-0.63	1.02	1.2	121.69	9.48	0.02	-0.21	0.21	277.01	1.0	1.409	1.361	1.987	1.551	4.517	12000198	(30BYA_60)	9	0	0 %
48.29	37.78	1.38	37.81	2.09	48.32	37.97	0.58	37.97	0.87	1.0	0.821	0.517	0.986	0.465	3.593	12000199	(30BYA_60)	48	38	1 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*04	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
48.21	-38.99	0.74	38.99	178.9	48.22	-38.51	0.03	38.51	179.94	1.0	0.857	0.479	0.461	0.481	3.288	12000200	(30BYA_60)	48	-39	0	0 %
47.43	-0.07	39.99	39.99	90.1	47.45	0.13	38.23	38.23	89.79	1.0	1.765	0.64	0.779	0.655	2.584	12000201	(30BYA_60)	47	0	39	39 %
48.71	-0.77	-38.53	38.53	268.84	48.76	0.31	-39.79	39.79	270.45	1.0	1.669	0.835	0.971	0.888	6.488	12000202	(30BYA_60)	49	0	-39	-39 %
53.92	-0.58	0.4	0.71	145.14	53.92	-0.39	0.06	0.39	170.64	1.0	0.393	0.384	0.576	0.435	1.546	12000203	(30BYA_60)	54	0	0	0 %
59.15	-1.13	0.97	1.49	139.15	59.16	-0.95	0.56	1.1	149.38	1.0	0.451	0.427	0.619	0.462	1.729	12000204	(30BYA_60)	59	-1	1	1 %
63.29	-0.83	1.17	1.44	125.39	63.3	-0.64	0.7	0.95	132.36	1.0	0.512	0.483	0.704	0.524	1.899	12000205	(30BYA_60)	63	-1	1	1 %
68.32	-1.52	1.6	2.21	133.5	68.34	-1.29	1.1	1.7	139.42	1.0	0.544	0.499	0.706	0.544	1.883	12000206	(30BYA_60)	68	-1	1	1 %
73.33	-1.44	1.25	1.91	139.03	73.34	-1.18	0.69	1.37	149.54	1.0	0.62	0.578	0.824	0.632	2.055	12000207	(30BYA_60)	73	-1	1	1 %
78.24	-1.62	1.49	2.2	137.4	78.25	-1.38	0.93	1.66	145.77	1.0	0.608	0.561	0.791	0.607	1.939	12000208	(30BYA_60)	78	-2	1	1 %
82.99	-1.25	0.86	1.52	145.49	83.0	-0.99	0.27	1.03	164.59	1.0	0.641	0.611	0.88	0.662	1.987	12000209	(30BYA_60)	83	-1	1	1 %
45.22	-1.46	1.67	2.22	131.2	45.22	-1.28	1.29	1.82	134.92	1.0	0.422	0.386	0.546	0.421	1.771	12000210	(30BYA_60)	45	-1	1	1 %
38.84	-0.47	0.61	0.77	127.56	38.84	-0.23	0.15	0.28	145.59	1.0	0.511	0.495	0.745	0.561	2.285	12000211	(30BYA_60)	39	0	0	0 %
34.31	-0.68	1.27	1.44	118.34	34.31	-0.39	0.75	0.85	117.52	1.0	0.586	0.55	0.805	0.632	2.59	12000212	(30BYA_60)	34	-1	1	1 %
29.15	-0.32	1.13	1.18	106.08	29.15	-0.08	0.71	0.71	96.74	1.0	0.485	0.462	0.683	0.535	2.165	12000213	(30BYA_60)	29	0	1	1 %
24.25	-0.38	1.19	1.25	107.69	24.25	-0.08	0.61	0.61	97.89	1.0	0.653	0.619	0.911	0.703	2.918	12000214	(30BYA_60)	24	0	1	1 %
19.28	-0.44	0.88	0.99	116.94	19.32	-0.25	0.21	0.33	140.95	1.0	0.7	0.672	1.001	0.708	3.211	12000215	(30BYA_60)	19	0	1	1 %
13.88	0.3	0.31	0.44	45.85	13.88	0.56	-0.59	0.81	313.47	1.0	0.947	0.939	1.425	0.969	3.933	12000216	(30BYA_60)	14	0	0	0 %
48.62	4.13	-0.33	4.14	355.31	48.62	4.35	-0.78	4.42	349.83	1.0	0.496	0.452	0.678	0.465	2.097	12000217	(30BYA_60)	49	4	-1	-1 %
49.07	9.4	-0.44	9.41	357.28	49.08	9.61	-0.88	9.65	354.76	1.0	0.483	0.404	0.853	0.384	2.048	12000218	(30BYA_60)	49	10	-1	-1 %
49.07	13.2	0.32	13.21	1.39	49.08	13.46	-0.28	13.46	358.8	1.0	0.656	0.529	1.179	0.48	2.806	12000219	(30BYA_60)	49	13	0	0 %
48.52	18.13	0.79	18.14	2.51	48.54	18.27	0.34	18.28	1.09	1.0	0.471	0.362	0.784	0.319	2.045	12000220	(30BYA_60)	49	18	1	1 %
47.91	23.16	0.45	23.17	1.13	47.92	23.41	-0.11	23.41	359.72	1.0	0.619	0.439	0.89	0.39	2.658	12000221	(30BYA_60)	48	23	0	0 %
48.83	27.9	0.75	27.91	1.55	48.85	28.13	0.0	28.13	359.98	1.0	0.798	0.55	1.09	0.491	3.494	12000222	(30BYA_60)	49	28	0	0 %
49.01	32.88	0.84	32.89	1.47	49.02	33.15	0.15	33.15	0.25	1.0	0.744	0.479	0.921	0.432	3.175	12000223	(30BYA_60)	49	33	0	0 %
49.16	-5.09	-0.12	5.09	181.37	49.17	-4.93	-0.5	4.95	185.81	1.0	0.412	0.378	0.493	0.389	1.771	12000224	(30BYA_60)	49	-5	0	0 %
49.13	-10.48	0.58	10.5	176.82	49.13	-10.25	0.14	10.25	179.16	1.0	0.49	0.402	0.49	0.403	1.996	12000225	(30BYA_60)	49	-10	0	0 %
49.57	-15.31	0.26	15.31	179.02	49.58	-15.05	-0.21	15.05	180.8	1.0	0.538	0.413	0.464	0.404	2.194	12000226	(30BYA_60)	50	-15	0	0 %
49.22	-19.62	0.67	19.63	178.02	49.23	-19.35	0.25	19.35	179.24	1.0	0.502	0.354	0.378	0.346	1.959	12000227	(30BYA_60)	49	-19	0	0 %
49.0	-24.58	0.92	24.6	177.85	49.01	-24.38	0.49	24.39	178.84	1.0	0.474	0.325	0.328	0.316	1.949	12000228	(30BYA_60)	49	-24	1	1 %
49.69	-29.71	0.4	29.72	179.21	49.7	-29.51	-0.06	29.51	180.13	1.0	0.518	0.34	0.33	0.337	2.171	12000229	(30BYA_60)	50	-30	0	0 %
48.92	-34.06	-0.42	34.06	180.71	48.93	-33.76	-0.91	33.77	181.54	1.0	0.571	0.345	0.332	0.346	2.265	12000230	(30BYA_60)	49	-34	-1	-1 %
49.14	-0.22	4.77	4.77	92.73	49.16	-0.12	4.39	4.39	91.65	1.0	0.389	0.323	0.428	0.342	1.528	12000231	(30BYA_60)	49	0	5	5 %
49.05	0.05	9.1	9.1	89.64	49.05	0.2	8.71	8.72	88.63	1.0	0.415	0.306	0.408	0.347	1.408	12000232	(30BYA_60)	49	0	9	9 %
48.85	-0.24	14.84	14.85	90.96	48.86	-0.01	14.14	14.14	90.06	1.0	0.741	0.461	0.575	0.513	2.193	12000233	(30BYA_60)	49	0	14	14 %
48.2	-0.63	20.28	20.29	91.8	48.21	-0.4	19.48	19.48	91.17	1.0	0.834	0.452	0.544	0.488	2.143	12000234	(30BYA_60)	48	-1	20	20 %
47.61	-0.83	24.71	24.72	91.93	47.63	-0.56	23.78	23.79	91.35	1.0	0.964	0.476	0.569	0.503	2.199	12000235	(30BYA_60)	48	-1	24	24 %
48.11	-0.6	29.21	29.21	91.18	48.12	-0.32	28.11	28.11	90.65	1.0	1.136	0.512	0.612	0.533	2.295	12000236	(30BYA_60)	48	0	29	29 %
48.11	-0.39	35.12	35.12	90.64	48.12	-0.1	33.73	33.73	90.17	1.0	1.426	0.572	0.69	0.59	2.436	12000237	(30BYA_60)	48	0	34	34 %
50.0	0.09	-5.23	5.23	271.07	50.01	0.3	-5.62	5.63	273.09	1.0	0.445	0.37	0.494	0.428	1.895	12000238	(30BYA_60)	50	0	-5	-5 %
49.86	0.22	-9.69	9.69	271.3	49.87	0.43	-10.13	10.13	272.46	1.0	0.486	0.355	0.459	0.413	2.128	12000239	(30BYA_60)	50	0	-10	-10 %
49.11	0.21	-14.49	14.49	270.83	49.12	0.54	-15.07	15.08	272.08	1.0	0.673	0.445	0.561	0.536	2.924	12000240	(30BYA_60)	49	0	-15	-15 %
48.36	-0.45	-19.06	19.06	268.63	48.38	-0.06	-19.75	19.75	269.81	1.0	0.795	0.484	0.59	0.561	3.5	12000241	(30BYA_60)	48	0	-19	-19 %
48.5	-0.51	-24.25	24.25	268.79	48.51	0.04	-25.01	25.01	270.11	1.0	0.941	0.549	0.661	0.619	3.934	12000242	(30BYA_60)	49	0	-25	-25 %
49.17	-0.35	-29.19	29.19	269.31	49.2	0.25	-29.99	29.99	270.47	1.0	1.005	0.545	0.645	0.587	4.138	12000243	(30BYA_60)	49	0	-30	-30 %
49.25	-0.56	-33.8	33.8	269.04	49.29	0.13	-34.71	34.71	270.22	1.0	1.153	0.593	0.695	0.629	4.664	12000244	(30BYA_60)	49	0	-34	-34 %
21.68	-26.41	0.18	26.41	179.6	21.68	-25.72	-0.51	25.72	181.15	1.0	0.981	0.592	0.611	0.593	3.562	12000245	(30BYA_60)	22	-26	0	0 %
34.66	-0.27	14.46	14.47	91.09	34.66	-0.1	13.77	13.77	90.43	1.0	0.711	0.44	0.534	0.471	2.116	12000246	(30BYA_60)	35	0	14	14 %
49.0	-27.39	28.7	39.68	133.66	49.03	-27.18	27.73	38.83	134.42	1.0	0.995	0.446	0.5	0.423	2.028	12000247	(30BYA_60)	49	-27	28	28 %
59.78	10.4	-11.12	15.23	313.08	59.79	10.73	-11.75	15.91	312.41	1.0	0.708	0.432	0.544	0.439	2.79	12000248	(30BYA_60)	60	11	-11	-11 %
25.42	21.97	-21.73	30.9	315.32	25.45	22.49	-22.53	31.83	314.95	1.0	0.95	0.413	0.506	0.411	4.411	12000249	(30BYA_60)	25	22	-22	-22 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*04	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
24.73	29.47	-43.35	52.42	304.2	24.79	30.34	-44.36	53.74	304.36	1.0	1.333	0.407	0.525	0.407	4.723	12000250	(30BYA_60)	25	30	-44 %	
17.03	-0.08	-0.24	0.25	251.09	17.03	0.54	-1.19	1.31	294.44	1.0	1.141	1.129	1.744	1.297	4.681	12000251	(30BYA_60)	17	0	-1 %	
34.52	13.4	0.76	13.42	3.27	34.54	13.65	0.1	13.65	0.43	1.0	0.706	0.574	1.3	0.517	3.354	12000252	(30BYA_60)	35	14	0 %	
24.81	0.36	26.55	26.56	89.2	24.84	0.5	25.36	25.36	88.85	1.0	1.206	0.557	0.653	0.57	1.898	12000253	(30BYA_60)	25	0	26 %	
48.12	13.14	-13.44	18.8	314.34	48.14	13.46	-14.06	19.47	313.75	1.0	0.698	0.394	0.498	0.394	3.101	12000254	(30BYA_60)	48	13	-14 %	
71.9	20.24	-21.41	29.46	313.38	71.92	20.65	-22.19	30.32	312.93	1.0	0.884	0.401	0.499	0.402	3.152	12000255	(30BYA_60)	72	20	-22 %	
36.3	10.32	11.67	15.58	48.49	36.31	10.55	10.94	15.2	46.04	1.0	0.761	0.578	1.129	0.647	2.513	12000256	(30BYA_60)	36	10	11 %	
52.71	-29.09	-35.18	45.65	230.41	52.74	-28.37	-35.97	45.81	231.73	1.0	1.066	0.628	0.601	0.512	3.811	12000257	(30BYA_60)	53	-29	-36 %	
55.23	-1.29	2.88	3.15	114.21	55.24	-1.07	2.4	2.63	113.98	1.0	0.523	0.458	0.629	0.507	1.964	12000258	(30BYA_60)	55	-1	3 %	
20.71	26.88	1.19	26.91	2.53	20.71	27.26	0.24	27.26	0.51	1.0	1.016	0.699	1.389	0.627	4.537	12000259	(30BYA_60)	21	27	1 %	
62.87	-0.97	-12.7	12.74	265.6	62.89	-0.67	-13.29	13.31	267.11	1.0	0.664	0.462	0.59	0.544	2.557	12000260	(30BYA_60)	63	-1	-13 %	
49.04	26.1	-27.0	37.56	314.03	49.06	26.56	-27.82	38.46	313.67	1.0	0.931	0.368	0.463	0.369	4.063	12000261	(30BYA_60)	49	26	-27 %	
60.4	10.4	11.95	15.84	48.98	60.42	10.62	11.24	15.47	46.64	1.0	0.742	0.561	1.089	0.63	2.245	12000262	(30BYA_60)	60	11	12 %	
25.13	21.82	24.02	32.46	47.74	25.13	22.03	22.4	31.42	45.47	1.0	1.637	0.95	1.6	1.054	2.868	12000263	(30BYA_60)	25	22	23 %	
38.22	-12.16	-10.74	16.23	221.46	38.24	-11.89	-11.16	16.31	223.18	1.0	0.498	0.398	0.449	0.403	2.259	12000264	(30BYA_60)	38	-12	-11 %	
89.51	-3.78	4.88	6.17	127.82	89.53	-3.52	4.21	5.49	129.9	1.0	0.719	0.571	0.738	0.599	1.989	12000265	(30BYA_60)	90	-4	5 %	
63.04	-14.29	0.32	14.3	178.69	63.05	-14.04	-0.2	14.04	180.82	1.0	0.587	0.461	0.526	0.449	2.156	12000266	(30BYA_60)	63	-14	0 %	
72.86	-0.75	-23.86	23.87	268.19	72.88	-0.31	-24.59	24.59	269.26	1.0	0.848	0.479	0.573	0.529	2.945	12000267	(30BYA_60)	73	-1	-24 %	
49.53	12.91	13.61	18.76	46.51	49.53	13.17	12.94	18.47	44.5	1.0	0.717	0.534	1.038	0.601	2.153	12000268	(30BYA_60)	50	13	13 %	
70.69	15.84	20.89	26.22	52.81	70.7	16.07	20.14	25.76	51.41	1.0	0.782	0.501	0.858	0.566	1.851	12000269	(30BYA_60)	71	16	21 %	
59.99	-12.51	-10.66	16.44	220.43	60.01	-12.12	-11.34	16.61	223.09	1.0	0.785	0.623	0.7	0.624	3.029	12000270	(30BYA_60)	60	-12	-11 %	
29.45	-20.23	-21.93	29.84	227.31	29.47	-19.65	-22.56	29.92	228.93	1.0	0.851	0.586	0.585	0.514	3.533	12000271	(30BYA_60)	29	-20	-22 %	
47.15	-57.88	35.96	68.15	148.14	47.16	-57.46	34.71	67.14	148.86	1.0	1.319	0.488	0.536	0.433	2.066	12000272	(30BYA_60)	47	-58	35 %	
76.48	-25.97	-0.46	25.98	181.03	76.49	-25.68	-1.02	25.7	182.28	1.0	0.629	0.426	0.424	0.42	2.014	12000273	(30BYA_60)	76	-26	-1 %	
63.61	-1.2	14.43	14.48	94.75	63.61	-0.9	13.74	13.77	93.77	1.0	0.755	0.476	0.594	0.541	2.079	12000274	(30BYA_60)	64	-1	14 %	
49.57	26.12	27.8	38.15	46.78	49.58	26.29	27.02	37.7	45.78	1.0	0.801	0.451	0.763	0.507	1.674	12000275	(30BYA_60)	50	26	27 %	
49.69	-13.98	-13.2	19.23	223.34	49.7	-13.61	-13.76	19.35	225.31	1.0	0.673	0.517	0.563	0.509	2.769	12000276	(30BYA_60)	50	-14	-13 %	
71.44	-23.62	-22.16	32.39	223.16	71.46	-23.19	-22.8	32.53	224.51	1.0	0.777	0.518	0.505	0.452	2.625	12000277	(30BYA_60)	71	-23	-22 %	
38.53	-11.57	11.92	16.61	134.14	38.53	-11.22	11.07	15.77	135.37	1.0	0.911	0.556	0.655	0.549	2.894	12000278	(30BYA_60)	39	-11	12 %	
81.55	-9.49	94.06	94.54	95.76	81.57	-9.32	91.97	92.45	95.78	1.0	2.095	0.399	0.629	0.403	1.037	12000279	(30BYA_60)	82	-9	93 %	
63.45	12.79	0.56	12.8	2.55	63.46	13.0	-0.02	13.0	359.9	1.0	0.629	0.516	1.17	0.466	2.383	12000280	(30BYA_60)	63	13	0 %	
77.14	-1.33	28.69	28.72	92.66	77.15	-1.05	27.79	27.81	92.17	1.0	0.945	0.433	0.52	0.453	1.875	12000281	(30BYA_60)	77	-1	28 %	
35.82	-0.18	-13.38	13.39	269.19	35.83	0.0	-13.8	13.8	269.98	1.0	0.455	0.302	0.377	0.346	2.271	12000282	(30BYA_60)	36	0	-14 %	
48.52	-27.56	-28.35	39.54	225.81	48.54	-26.98	-29.0	39.61	227.06	1.0	0.865	0.542	0.517	0.456	3.245	12000283	(30BYA_60)	49	-27	-29 %	
59.86	-12.02	11.4	16.57	136.52	59.87	-11.69	10.59	15.77	137.82	1.0	0.875	0.541	0.638	0.53	2.615	12000284	(30BYA_60)	60	-12	11 %	
26.4	-22.49	23.93	32.84	133.22	26.43	-22.11	22.5	31.54	134.49	1.0	1.478	0.707	0.799	0.681	2.699	12000285	(30BYA_60)	26	-22	23 %	
40.13	50.57	50.04	71.14	44.69	40.15	50.66	48.42	70.08	43.7	1.0	1.621	0.643	1.104	0.754	1.388	12000286	(30BYA_60)	40	51	49 %	
72.42	20.81	-3.19	21.05	351.27	72.43	21.09	-3.91	21.45	349.48	1.0	0.774	0.544	1.07	0.473	2.731	12000287	(30BYA_60)	72	21	-4 %	
36.03	-14.0	0.36	14.0	178.48	36.05	-13.79	-0.08	13.79	180.36	1.0	0.503	0.399	0.457	0.387	2.337	12000288	(30BYA_60)	36	-14	0 %	
21.16	-0.49	-28.04	28.04	268.98	21.16	0.16	-28.64	28.64	270.33	1.0	0.896	0.538	0.643	0.602	3.436	12000289	(30BYA_60)	21	0	-28 %	
48.74	-13.44	14.16	19.53	133.5	48.75	-13.13	13.36	18.73	134.51	1.0	0.864	0.497	0.578	0.485	2.554	12000290	(30BYA_60)	49	-13	14 %	
71.35	-22.68	22.16	31.71	135.65	71.37	-22.34	21.22	30.82	136.47	1.0	0.999	0.476	0.538	0.458	2.261	12000291	(30BYA_60)	71	-23	22 %	
37.55	10.96	-11.66	16.0	313.24	37.55	11.32	-12.17	16.63	312.92	1.0	0.63	0.37	0.441	0.387	2.88	12000292	(30BYA_60)	38	11	-12 %	
37.4	62.75	-8.12	63.27	352.62	37.4	63.0	-8.73	63.6	352.1	1.0	0.663	0.307	0.556	0.259	3.249	12000293	(30BYA_60)	37	63	-8 %	
48.74	-0.01	-0.09	0.1	260.53	48.92	0.01	0.09	0.1	80.42	1.0	0.273	0.273	0.344	0.274	2.107	12000294	(30WNA_60)	49	0	0 %	
88.9	-2.21	1.11	2.48	153.32	89.11	-2.17	1.32	2.54	148.58	1.0	0.299	0.293	0.306	0.246	1.613	12000295	(30WNA_60)	89	-2	1 %	
9.32	-0.33	0.2	0.39	148.81	9.64	-0.28	0.61	0.67	114.45	1.0	0.524	0.521	0.887	0.459	2.966	12000296	(30WNA_60)	9	0	0 %	
48.21	37.82	0.87	37.83	1.32	48.4	37.93	1.09	37.94	1.65	1.0	0.309	0.238	0.31	0.228	2.174	12000297	(30WNA_60)	48	38	1 %	
48.13	-38.71	0.31	38.71	179.53	48.31	-38.78	0.47	38.79	179.3	1.0	0.248	0.204	0.17	0.203	1.957	12000298	(30WNA_60)	48	-39	0 %	
47.34	0.01	38.99	38.99	89.97	47.54	0.04	39.22	39.22	89.92	1.0	0.304	0.212	0.188	0.209	2.019	12000299	(30WNA_60)	47	0	39 %	

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%L*	a*	b*	C*ab	hab	L*	a*	b*	C*ab	hab	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIE LAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
48.64	-0.19	-39.22	39.22	269.71	48.82	-0.27	-39.09	39.09	269.59	1.0	0.228	0.187	0.159	0.187	2.109	12000300	(30WNA_60)	49	0	-39	%
53.84	-0.52	0.16	0.55	163.1	53.99	-0.45	0.31	0.55	145.3	1.0	0.226	0.225	0.276	0.236	1.609	12000301	(30WNA_60)	54	0	0	%
59.08	-1.05	0.69	1.26	146.58	59.22	-1.02	0.84	1.32	140.57	1.0	0.204	0.201	0.233	0.193	1.422	12000302	(30WNA_60)	59	-1	1	%
63.22	-0.75	0.86	1.15	131.04	63.37	-0.72	1.01	1.24	125.52	1.0	0.212	0.209	0.237	0.195	1.455	12000303	(30WNA_60)	63	-1	1	%
68.26	-1.42	1.28	1.91	137.92	68.4	-1.39	1.42	1.99	134.31	1.0	0.2	0.196	0.215	0.178	1.297	12000304	(30WNA_60)	68	-1	1	%
73.26	-1.33	0.9	1.6	145.9	73.41	-1.29	1.05	1.66	141.02	1.0	0.214	0.21	0.23	0.187	1.334	12000305	(30WNA_60)	73	-1	1	%
78.17	-1.5	1.13	1.88	143.01	78.33	-1.5	1.3	1.98	139.09	1.0	0.229	0.224	0.243	0.192	1.354	12000306	(30WNA_60)	78	-2	1	%
82.91	-1.15	0.48	1.25	157.27	83.08	-1.09	0.65	1.27	149.22	1.0	0.243	0.241	0.271	0.214	1.357	12000307	(30WNA_60)	83	-1	1	%
45.15	-1.42	1.42	2.0	135.01	45.28	-1.33	1.54	2.03	130.78	1.0	0.197	0.193	0.23	0.209	1.443	12000308	(30WNA_60)	45	-1	1	%
38.78	-0.4	0.32	0.51	141.07	38.9	-0.3	0.44	0.54	124.04	1.0	0.199	0.198	0.261	0.217	1.489	12000309	(30WNA_60)	39	0	0	%
34.23	-0.55	0.92	1.07	121.07	34.39	-0.52	1.1	1.22	115.39	1.0	0.246	0.241	0.308	0.225	2.06	12000310	(30WNA_60)	34	-1	1	%
29.08	-0.22	0.83	0.86	104.74	29.23	-0.19	1.01	1.03	100.73	1.0	0.236	0.231	0.312	0.211	1.96	12000311	(30WNA_60)	29	0	1	%
24.17	-0.24	0.81	0.85	106.88	24.33	-0.21	0.98	1.01	102.46	1.0	0.235	0.231	0.324	0.205	1.991	12000312	(30WNA_60)	24	0	1	%
19.18	-0.28	0.4	0.49	125.53	19.43	-0.42	0.69	0.8	121.33	1.0	0.401	0.396	0.61	0.376	3.021	12000313	(30WNA_60)	19	0	1	%
13.76	0.42	-0.24	0.48	330.09	14.0	0.44	-0.03	0.44	356.0	1.0	0.316	0.315	0.557	0.26	2.414	12000314	(30WNA_60)	14	0	0	%
48.55	4.21	-0.62	4.26	351.52	48.69	4.27	-0.49	4.3	353.43	1.0	0.202	0.195	0.24	0.195	1.546	12000315	(30WNA_60)	49	4	-1	%
49.0	9.46	-0.74	9.49	355.52	49.15	9.54	-0.58	9.56	356.49	1.0	0.23	0.21	0.343	0.205	1.676	12000316	(30WNA_60)	49	10	-1	%
49.0	13.3	-0.05	13.3	359.75	49.15	13.37	0.09	13.37	0.42	1.0	0.224	0.2	0.322	0.191	1.667	12000317	(30WNA_60)	49	13	0	%
48.47	18.17	0.5	18.18	1.59	48.59	18.23	0.63	18.24	2.0	1.0	0.19	0.165	0.248	0.156	1.415	12000318	(30WNA_60)	49	18	1	%
47.84	23.23	0.08	23.23	0.2	47.99	23.34	0.26	23.35	0.64	1.0	0.264	0.211	0.309	0.2	1.786	12000319	(30WNA_60)	48	23	0	%
48.76	27.97	0.29	27.97	0.61	48.92	28.05	0.45	28.06	0.92	1.0	0.239	0.197	0.255	0.191	1.791	12000320	(30WNA_60)	49	28	0	%
48.94	32.93	0.42	32.94	0.73	49.09	33.09	0.57	33.1	0.99	1.0	0.264	0.19	0.24	0.184	1.666	12000321	(30WNA_60)	49	33	0	%
49.09	-5.0	-0.37	5.02	184.32	49.23	-5.01	-0.24	5.02	182.8	1.0	0.189	0.183	0.193	0.18	1.506	12000322	(30WNA_60)	49	-5	0	%
49.07	-10.39	0.31	10.4	178.28	49.18	-10.33	0.42	10.34	177.66	1.0	0.166	0.151	0.153	0.151	1.241	12000323	(30WNA_60)	49	-10	0	%
49.5	-15.2	-0.04	15.2	180.15	49.65	-15.16	0.09	15.16	179.65	1.0	0.201	0.182	0.168	0.179	1.601	12000324	(30WNA_60)	50	-15	0	%
49.16	-19.48	0.4	19.48	178.81	49.28	-19.5	0.53	19.51	178.43	1.0	0.179	0.158	0.143	0.154	1.378	12000325	(30WNA_60)	49	-19	0	%
48.93	-24.46	0.64	24.47	178.5	49.07	-24.51	0.77	24.52	178.19	1.0	0.196	0.167	0.145	0.165	1.503	12000326	(30WNA_60)	49	-24	1	%
49.64	-29.59	0.11	29.59	179.77	49.76	-29.63	0.22	29.64	179.56	1.0	0.169	0.143	0.121	0.143	1.322	12000327	(30WNA_60)	50	-30	0	%
48.85	-33.84	-0.74	33.85	181.26	49.0	-33.97	-0.59	33.98	180.99	1.0	0.254	0.189	0.164	0.188	1.682	12000328	(30WNA_60)	49	-34	-1	%
49.08	-0.18	4.52	4.52	92.39	49.22	-0.16	4.64	4.65	92.04	1.0	0.185	0.171	0.176	0.173	1.453	12000329	(30WNA_60)	49	0	5	%
48.99	0.12	8.84	8.84	89.2	49.11	0.14	8.98	8.98	89.09	1.0	0.188	0.16	0.159	0.161	1.333	12000330	(30WNA_60)	49	0	9	%
48.79	-0.14	14.41	14.41	90.58	48.92	-0.12	14.57	14.57	90.47	1.0	0.207	0.166	0.157	0.168	1.444	12000331	(30WNA_60)	49	0	14	%
48.13	-0.56	19.8	19.8	91.62	48.28	-0.47	19.96	19.97	91.37	1.0	0.242	0.188	0.188	0.198	1.604	12000332	(30WNA_60)	48	-1	20	%
47.55	-0.74	24.16	24.17	91.75	47.69	-0.65	24.33	24.34	91.54	1.0	0.239	0.176	0.175	0.182	1.502	12000333	(30WNA_60)	48	-1	24	%
48.04	-0.5	28.58	28.58	91.01	48.19	-0.42	28.73	28.73	90.84	1.0	0.229	0.175	0.165	0.179	1.586	12000334	(30WNA_60)	48	0	29	%
48.03	-0.29	34.32	34.32	90.48	48.2	-0.2	34.52	34.52	90.34	1.0	0.271	0.19	0.178	0.192	1.718	12000335	(30WNA_60)	48	0	34	%
49.93	0.18	-5.5	5.51	271.94	50.09	0.21	-5.34	5.35	272.3	1.0	0.225	0.203	0.209	0.206	1.772	12000336	(30WNA_60)	50	0	-5	%
49.8	0.31	-9.96	9.97	271.82	49.92	0.33	-9.85	9.86	271.96	1.0	0.163	0.142	0.133	0.144	1.359	12000337	(30WNA_60)	50	0	-10	%
49.05	0.36	-14.84	14.85	271.41	49.18	0.39	-14.72	14.72	271.51	1.0	0.184	0.155	0.139	0.157	1.572	12000338	(30WNA_60)	49	0	-15	%
48.29	-0.24	-19.47	19.47	269.27	48.44	-0.27	-19.34	19.34	269.18	1.0	0.199	0.166	0.146	0.167	1.773	12000339	(30WNA_60)	48	0	-19	%
48.44	-0.24	-24.68	24.68	269.43	48.57	-0.22	-24.57	24.57	269.48	1.0	0.165	0.135	0.116	0.135	1.495	12000340	(30WNA_60)	49	0	-25	%
49.12	-0.03	-29.64	29.64	269.92	49.25	-0.06	-29.54	29.54	269.87	1.0	0.167	0.142	0.118	0.142	1.578	12000341	(30WNA_60)	49	0	-30	%
49.2	-0.17	-34.31	34.32	269.71	49.35	-0.25	-34.19	34.19	269.57	1.0	0.21	0.164	0.144	0.166	1.803	12000342	(30WNA_60)	49	0	-34	%
21.61	-26.1	-0.2	26.1	180.44	21.76	-26.03	-0.12	26.03	180.28	1.0	0.177	0.158	0.216	0.12	1.684	12000343	(30WNA_60)	22	-26	0	%
34.58	-0.2	14.04	14.04	90.83	34.73	-0.17	14.19	14.2	90.72	1.0	0.209	0.171	0.181	0.152	1.645	12000344	(30WNA_60)	35	0	14	%
48.94	-27.27	28.12	39.18	134.12	49.09	-27.3	28.31	39.33	133.96	1.0	0.237	0.171	0.15	0.168	1.531	12000345	(30WNA_60)	49	-27	28	%
59.7	10.55	-11.52	15.62	312.5	59.87	10.57	-11.35	15.51	312.98	1.0	0.235	0.204	0.233	0.19	1.729	12000346	(30WNA_60)	60	11	-11	%
25.36	22.18	-22.18	31.37	314.99	25.51	22.28	-22.07	31.36	315.27	1.0	0.215	0.183	0.25	0.155	2.039	12000347	(30WNA_60)	25	22	-22	%
24.68	29.93	-43.9	53.13	304.28	24.84	29.87	-43.81	53.02	304.28	1.0	0.193	0.16	0.204	0.118	2.194	12000348	(30WNA_60)	25	30	-44	%
16.96	0.11	-0.76	0.77	278.49	17.1	0.34	-0.66	0.75	297.02	1.0	0.284	0.282	0.436	0.364	1.636	12000349	(30WNA_60)	17	0	-1	%

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/UE52/UE52L0NP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

%L*04	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
34.45	13.55	0.34	13.56	1.45	34.62	13.5	0.52	13.51	2.23	1.0	0.249	0.224	0.386	0.191	2.066	12000350	(30WNA_60)	35	14	0	0 %
24.76	0.35	25.9	25.91	89.2	24.88	0.51	25.99	26.0	88.86	1.0	0.219	0.172	0.23	0.172	1.474	12000351	(30WNA_60)	25	0	26	26 %
48.07	13.29	-13.81	19.17	313.89	48.19	13.31	-13.69	19.1	314.19	1.0	0.175	0.153	0.174	0.152	1.489	12000352	(30WNA_60)	48	13	-14	-14 %
71.83	20.44	-21.88	29.94	313.05	71.99	20.45	-21.72	29.84	313.26	1.0	0.216	0.178	0.164	0.149	1.481	12000353	(30WNA_60)	72	20	-22	-22 %
36.24	10.37	11.23	15.29	47.27	36.37	10.5	11.38	15.48	47.3	1.0	0.237	0.176	0.186	0.169	1.568	12000354	(30WNA_60)	36	10	11	11 %
52.64	-28.59	-35.63	45.68	231.25	52.81	-28.87	-35.52	45.77	230.89	1.0	0.348	0.241	0.211	0.217	1.913	12000355	(30WNA_60)	53	-29	-36	-36 %
55.17	-1.19	2.58	2.84	114.85	55.29	-1.17	2.7	2.95	113.38	1.0	0.178	0.17	0.185	0.167	1.287	12000356	(30WNA_60)	55	-1	3	3 %
20.63	26.96	0.64	26.97	1.37	20.78	27.18	0.78	27.19	1.65	1.0	0.298	0.205	0.316	0.17	1.823	12000357	(30WNA_60)	21	27	1	1 %
62.81	-0.81	-13.06	13.09	266.41	62.95	-0.82	-12.92	12.95	266.33	1.0	0.2	0.168	0.143	0.15	1.457	12000358	(30WNA_60)	63	-1	-13	-13 %
48.99	26.32	-27.46	38.04	313.78	49.11	26.34	-27.35	37.98	313.92	1.0	0.166	0.138	0.135	0.14	1.488	12000359	(30WNA_60)	49	26	-27	-27 %
60.34	10.48	11.52	15.57	47.71	60.48	10.54	11.68	15.73	47.94	1.0	0.221	0.177	0.178	0.164	1.381	12000360	(30WNA_60)	60	11	12	12 %
25.07	21.81	23.15	31.81	46.7	25.19	22.04	23.25	32.04	46.52	1.0	0.281	0.169	0.225	0.152	1.45	12000361	(30WNA_60)	25	22	23	23 %
38.17	-11.98	-11.01	16.28	222.59	38.29	-12.07	-10.89	16.26	222.05	1.0	0.196	0.174	0.179	0.164	1.585	12000362	(30WNA_60)	38	-12	-11	-11 %
89.43	-3.65	4.45	5.76	129.39	89.61	-3.65	4.63	5.9	128.22	1.0	0.256	0.237	0.233	0.19	1.359	12000363	(30WNA_60)	90	-4	5	5 %
62.99	-14.16	0.0	14.16	180.02	63.11	-14.17	0.12	14.17	179.47	1.0	0.183	0.167	0.151	0.147	1.244	12000364	(30WNA_60)	63	-14	0	0 %
72.81	-0.52	-24.28	24.28	268.75	72.94	-0.53	-24.16	24.17	268.72	1.0	0.168	0.136	0.1	0.108	1.176	12000365	(30WNA_60)	73	-1	-24	-24 %
49.47	13.0	13.2	18.53	45.42	49.59	13.08	13.35	18.69	45.6	1.0	0.211	0.157	0.168	0.158	1.306	12000366	(30WNA_60)	50	13	13	13 %
70.62	15.91	20.43	25.9	52.08	70.76	16.0	20.59	26.08	52.15	1.0	0.231	0.163	0.136	0.138	1.204	12000367	(30WNA_60)	71	16	21	21 %
59.93	-12.31	-11.07	16.56	221.96	60.07	-12.32	-10.93	16.48	221.58	1.0	0.19	0.167	0.145	0.151	1.414	12000368	(30WNA_60)	60	-12	-11	-11 %
29.39	-19.88	-22.29	29.87	228.26	29.52	-20.0	-22.2	29.88	227.97	1.0	0.198	0.164	0.176	0.134	1.683	12000369	(30WNA_60)	29	-20	-22	-22 %
47.09	-57.66	35.28	67.6	148.53	47.21	-57.69	35.39	67.68	148.47	1.0	0.164	0.125	0.105	0.12	1.225	12000370	(30WNA_60)	47	-58	35	35 %
76.41	-25.81	-0.82	25.82	181.82	76.56	-25.84	-0.66	25.85	181.48	1.0	0.22	0.189	0.144	0.155	1.328	12000371	(30WNA_60)	76	-26	-1	-1 %
63.55	-1.1	14.01	14.06	94.5	63.67	-1.0	14.16	14.19	94.05	1.0	0.215	0.174	0.193	0.189	1.172	12000372	(30WNA_60)	64	-1	14	14 %
49.52	26.14	27.34	37.83	46.27	49.63	26.26	27.49	38.02	46.3	1.0	0.222	0.13	0.122	0.13	1.141	12000373	(30WNA_60)	50	26	27	27 %
49.61	-13.76	-13.55	19.32	224.56	49.78	-13.83	-13.4	19.26	224.09	1.0	0.235	0.209	0.188	0.206	1.934	12000374	(30WNA_60)	50	-14	-13	-13 %
71.38	-23.37	-22.54	32.47	223.96	71.51	-23.44	-22.42	32.44	223.72	1.0	0.187	0.157	0.119	0.125	1.226	12000375	(30WNA_60)	71	-23	-22	-22 %
38.46	-11.39	11.41	16.13	134.95	38.6	-11.39	11.58	16.24	134.52	1.0	0.218	0.183	0.193	0.163	1.622	12000376	(30WNA_60)	39	-11	12	12 %
81.47	-9.44	92.87	93.35	95.8	81.65	-9.37	93.14	93.61	95.74	1.0	0.33	0.191	0.142	0.141	1.374	12000377	(30WNA_60)	82	-9	93	93 %
63.39	12.87	0.2	12.87	0.89	63.52	12.92	0.34	12.93	1.54	1.0	0.204	0.183	0.299	0.159	1.316	12000378	(30WNA_60)	63	13	0	0 %
77.07	-1.22	28.15	28.18	92.49	77.22	-1.16	28.32	28.35	92.35	1.0	0.236	0.174	0.141	0.142	1.213	12000379	(30WNA_60)	77	-1	28	28 %
35.77	-0.06	-13.65	13.65	269.73	35.88	-0.12	-13.54	13.54	269.45	1.0	0.17	0.144	0.157	0.143	1.512	12000380	(30WNA_60)	36	0	-14	-14 %
48.47	-27.21	-28.72	39.57	226.55	48.59	-27.33	-28.62	39.58	226.32	1.0	0.201	0.159	0.136	0.149	1.496	12000381	(30WNA_60)	49	-27	-29	-29 %
59.8	-11.87	10.92	16.13	137.38	59.93	-11.84	11.07	16.21	136.93	1.0	0.196	0.168	0.161	0.152	1.242	12000382	(30WNA_60)	60	-12	11	11 %
26.33	-22.35	23.11	32.15	134.03	26.5	-22.25	23.31	32.23	133.67	1.0	0.278	0.223	0.259	0.181	2.013	12000383	(30WNA_60)	26	-22	23	23 %
40.07	50.53	49.09	70.45	44.17	40.22	50.7	49.34	70.75	44.22	1.0	0.341	0.168	0.176	0.154	1.636	12000384	(30WNA_60)	40	51	49	49 %
72.35	20.91	-3.63	21.22	350.14	72.5	20.98	-3.47	21.27	350.59	1.0	0.226	0.195	0.278	0.157	1.353	12000385	(30WNA_60)	72	21	-4	-4 %
35.98	-13.84	0.08	13.84	179.63	36.09	-13.95	0.19	13.95	179.2	1.0	0.187	0.157	0.167	0.148	1.406	12000386	(30WNA_60)	36	-14	0	0 %
21.09	-0.09	-28.38	28.38	269.8	21.24	-0.23	-28.3	28.3	269.52	1.0	0.221	0.183	0.251	0.159	1.972	12000387	(30WNA_60)	21	0	-28	-28 %
48.68	-13.33	13.69	19.11	134.22	48.8	-13.25	13.83	19.15	133.77	1.0	0.198	0.171	0.171	0.169	1.329	12000388	(30WNA_60)	49	-13	14	14 %
71.28	-22.52	21.61	31.21	136.17	71.43	-22.51	21.78	31.32	135.94	1.0	0.225	0.179	0.142	0.145	1.285	12000389	(30WNA_60)	71	-23	22	22 %
37.48	11.12	-11.98	16.35	312.87	37.62	11.16	-11.85	16.28	313.29	1.0	0.201	0.179	0.225	0.164	1.844	12000390	(30WNA_60)	38	11	-12	-12 %
37.33	62.76	-8.5	63.33	352.28	37.48	62.99	-8.35	63.54	352.44	1.0	0.311	0.181	0.231	0.155	1.875	12000391	(30WNA_60)	37	63	-8	-8 %

TUB registration: 20140801-UE52/UE52L0NP.PDF /.PS
application for measurement of display or printer output, no separation
TUB material: code=rha4ta

%L*04	a*04	b*04	C*ab04	hab04	L*14	a*14	b*14	C*ab14	hab14	DV4	dE*ab	dE*94	dE*CM	dE*00	dE*85	NR	Code	L*	a*	b*	%
%CIELAB data for colours (4) of experiment with CIE DE2000 dE*≤2, iim=392, Kittelmann threshold data %																					
Minimum, maximum and average colour difference value																					
STRESS constant F and STRESS value S																					
i4i+1 = 392, d_CIELABmin4 = 0.09, d_CIELABmax4 = 2.09, d_CIELABave4 = 0.41																					
i4i+1 = 392, CIELABF4 = 0.41, CIELABSTRESS4 = 57.17																					
i4i+1 = 392, d_CIELCHmin4 = 0.09, d_CIELCHmax4 = 2.09, d_CIELCHave4 = 0.41																					
i4i+1 = 392, CIELCHF4 = 0.41, CIELCHSTRESS4 = 57.17																					
i4i+1 = 392, d_C94LCHmin4 = 0.07, d_C94LCHmax4 = 1.36, d_C94LCHave4 = 0.28																					
i4i+1 = 392, C94LCHF4 = 0.28, C94LCHSTRESS4 = 49.9																					
i4i+1 = 392, d_CCMLCHmin4 = 0.1, d_CCMLCHmax4 = 1.98, d_CCMLCHave4 = 0.38																					
i4i+1 = 392, CCMLCHF4 = 0.38, CCMLCHSTRESS4 = 57.54																					
i4i+1 = 392, d_C00LCHmin4 = 0.1, d_C00LCHmax4 = 1.55, d_C00LCHave4 = 0.31																					
i4i+1 = 392, C00LCHF4 = 0.31, C00LCHSTRESS4 = 50.42																					
i4i+1 = 392, d_C85LCHmin4 = 0.35, d_C85LCHmax4 = 6.48, d_C85LCHave4 = 1.57																					
i4i+1 = 392, C85LCHF4 = 1.57, C85LCHSTRESS4 = 48.71																					