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TUB registration: 20130201-UE09/UE09L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta

rgb* _e and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours																
XYZ, xy, YAB, and Lab* data for relative spacing of elementary hue h _{ab} of CIELAB																
16 step elementary hue circle with intended elementary hues: h _{ab} = 25.4, 92.3, 162.2, 271.7 of CIELAB																
	X	Y	Z	x	y	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb ->	rgb* _e
R00Y=R	66.0	41.1	20.9	0.515	0.321	26.9	9.5	28.5	19.5	70.3	70.9	33.4	78.4	25.2	1.00	0.00 0.00
R25Y	64.0	41.5	6.4	0.571	0.371	24.5	15.5	29.0	32.3	70.5	65.1	71.4	96.6	47.6	1.00	0.25 0.00
R50Y	62.6	41.7	1.0	0.593	0.396	22.8	17.7	28.9	37.8	70.7	61.2	106.3	122.7	60.0	1.00	0.50 0.00
R75Y	71.1	58.7	0.1	0.546	0.451	15.3	25.5	29.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00	0.75 0.00
Y00G=Y	76.8	83.9	1.3	0.473	0.517	-2.9	36.0	36.1	94.7	93.4	-5.9	141.9	142.0	92.3	1.00	1.00 0.00
Y25G	65.9	89.6	6.7	0.406	0.552	-19.2	36.3	41.1	117.8	95.8	-39.4	113.6	120.3	109.1	0.75	1.00 0.00
Y50G	43.7	79.6	8.1	0.332	0.605	-31.9	31.4	44.7	135.4	91.5	-77.3	101.2	127.3	127.3	0.50	1.00 0.00
Y75G	26.4	67.7	12.4	0.247	0.635	-38.0	24.5	45.2	147.1	85.9	-113.0	78.6	137.7	145.1	0.25	1.00 0.00
G00B=G	61.8	61.8	31.6	0.189	0.536	-36.9	14.2	39.5	158.8	82.8	-119.5	37.9	125.4	162.3	0.00	1.00 0.00
G25B	27.8	58.9	81.5	0.165	0.349	-28.1	-6.9	28.9	193.9	81.2	-86.9	-13.9	88.0	189.1	0.00	1.00 0.50
G50B	25.6	45.4	108.7	0.142	0.252	-17.5	-23.7	29.5	233.5	73.1	-61.3	-46.1	76.7	216.9	0.00	1.00 1.00
G75B	20.2	29.3	108.4	0.128	0.185	-7.6	-30.6	31.5	256.0	61.0	-33.4	-66.8	74.7	243.4	0.00	0.50 1.00
B00R=B	18.4	18.7	107.7	0.127	0.129	0.6	-34.9	34.9	271.0	50.4	3.3	-84.8	84.9	272.2	0.00	0.00 1.00
B25R	18.0	8.8	105.2	0.136	0.067	9.5	-38.2	39.4	284.0	50.7	64.2	-108.5	126.1	300.6	0.50	0.00 1.00
B50R	61.7	26.3	99.4	0.329	0.14	36.7	-28.3	46.3	322.3	58.3	112.5	-65.8	130.3	329.6	1.00	0.00 1.00
B75R	71.2	40.6	51.0	0.437	0.249	32.5	-2.6	32.6	355.2	69.9	83.6	-7.1	83.9	355.1	1.00	0.00 0.50
5 step equidistant grey scale with intended lightness: L* = 0.0, 25.0, 50.0, 75.0, 100.0																
N000W=N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00 0.00
N025W	4.1	4.4	4.8	0.312	0.329	0.0	0.0	0.0	77.5	25.0	0.0	0.0	0.0	0.0	0.25	0.25 0.25
N050W	17.5	18.4	20.0	0.312	0.329	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50	0.50 0.50
N075W	45.8	48.2	52.5	0.312	0.329	0.0	0.0	0.0	21.0	75.0	0.0	0.0	0.0	0.0	0.75	0.75 0.75
N100W=W	95.0	100.0	108.8	0.312	0.329	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00	1.00 1.00

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rgb* _e and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours																
XYZ, ab, YAB, and Lab* data for relative spacing of elementary hue h _{ab} of CIELAB																
16 step elementary hue circle with intended elementary hues: h _{ab} = 25.4, 92.3, 162.2, 271.7 of CIELAB																
	X	Y	Z	a	b	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb ->	rgb* _e
R00Y=R	66.0	41.1	20.9	1.604	-0.202	26.9	9.5	28.5	19.5	70.3	70.9	33.4	78.4	25.2	1.00	0.00 0.00
R25Y	64.0	41.5	6.4	1.54	-0.061	24.5	15.5	29.0	32.3	70.5	65.1	71.4	96.6	47.6	1.00	0.25 0.00
R50Y	62.6	41.7	1.0	1.498	-0.01	22.8	17.7	28.9	37.8	70.7	61.2	106.3	122.7	60.0	1.00	0.50 0.00
R75Y	71.1	58.7	0.1	1.21	-0.001	15.3	25.5	29.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00	0.75 0.00
Y00G=Y	76.8	83.9	1.3	0.915	-0.006	-2.9	36.0	36.1	94.7	93.4	-5.9	141.9	142.0	92.3	1.00	1.00 0.00
Y25G	65.9	89.6	6.7	0.735	-0.03	-19.2	36.3	41.1	117.8	95.8	-39.4	113.6	120.3	109.1	0.75	1.00 0.00
Y50G	43.7	79.6	8.1	0.549	-0.04	-31.9	31.4	44.7	135.4	91.5	-77.3	101.2	127.3	127.3	0.50	1.00 0.00
Y75G	26.4	67.7	12.4	0.389	-0.073	-38.0	24.5	45.2	147.1	85.9	-113.0	78.6	137.7	145.1	0.25	1.00 0.00
G00B=G	61.8	61.8	31.6	0.353	-0.204	-36.9	14.2	39.5	158.8	82.8	-119.5	37.9	125.4	162.3	0.00	1.00 0.00
G25B	27.8	58.9	81.5	0.473	-0.553	-28.1	-6.9	28.9	193.9	81.2	-86.9	-13.9	88.0	189.1	0.00	1.00 0.50
G50B	25.6	45.4	108.7	0.564	-0.957	-17.5	-23.7	29.5	233.5	73.1	-61.3	-46.1	76.7	216.9	0.00	1.00 1.00
G75B	20.2	29.3	108.4	0.691	-1.478	-7.6	-30.6	31.5	256.0	61.0	-33.4	-66.8	74.7	243.4	0.00	0.50 1.00
B00R=B	18.4	18.7	107.7	0.984	-2.297	0.6	-34.9	34.9	271.0	50.4	3.3	-84.8	84.9	272.2	0.00	0.00 1.00
B25R	18.0	8.8	105.2	0.031	-4.745	9.5	-38.2	39.4	284.0	50.7	64.2	-108.5	126.1	300.6	0.50	0.00 1.00
B50R	61.7	26.3	99.4	2.343	-1.509	36.7	-28.3	46.3	322.3	58.3	112.5	-65.8	130.3	329.6	1.00	0.00 1.00
B75R	71.2	40.6	51.0	1.75	-0.501	32.5	-2.6	32.6	355.2	69.9	83.6	-7.1	83.9	355.1	1.00	0.00 0.50
5 step equidistant grey scale with intended lightness: L* = 0.0, 25.0, 50.0, 75.0, 100.0																
N000W=N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00 0.00
N025W	4.1	4.4	4.8	0.95	-0.435	0.0	0.0	0.0	77.5	25.0	0.0	0.0	0.0	0.0	0.25	0.25 0.25
N050W	17.5	18.4	20.0	0.95	-0.435	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50	0.50 0.50
N075W	45.8	48.2	52.5	0.95	-0.435	0.0	0.0	0.0	21.0	75.0	0.0	0.0	0.0	0.0	0.75	0.75 0.75
N100W=W	95.0	100.0	108.8	0.95	-0.435	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00	1.00 1.00

UE090-7N Lab*, page 2/2

rgb*e and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours																
XYZ, xy, YAB, and Lab* data for relative spacing of elementary hue hab of CIELAB																
16 step elementary hue circle with intended elementary hues: hab = 25.4, 92.3, 162.2, 271.7 of CIELAB																
	Y	x	y	a	b	cab	CAB	hAB	L*	a*	b*	C*ab	hab	rgb ->	rgb*	
R00Y=R	41.1	0.515	0.321	1.604	-0.202	1.616	28.5	19.5	70.3	70.9	33.4	78.4	25.2	1.00	0.00	0.00
R25Y	41.5	0.571	0.371	1.54	-0.061	1.541	29.0	32.3	70.5	65.1	71.4	96.6	47.6	1.00	0.25	0.00
R50Y	41.7	0.593	0.396	1.498	-0.01	1.498	28.9	37.8	70.7	61.2	106.3	122.7	60.0	1.00	0.50	0.00
R75Y	58.7	0.546	0.451	1.21	-0.001	1.21	29.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00	0.75	0.00
Y00G=Y	83.9	0.473	0.517	0.915	-0.006	0.915	36.1	94.7	93.4	-5.9	141.9	142.0	92.3	1.00	1.00	0.00
Y25G	89.6	0.406	0.552	0.735	-0.03	0.736	41.1	117.8	95.8	-39.4	113.6	120.3	109.1	0.75	1.00	0.00
Y50G	79.6	0.332	0.605	0.549	-0.04	0.551	44.7	135.4	91.5	-77.3	101.2	127.3	127.3	0.50	1.00	0.00
Y75G	67.7	0.247	0.635	0.389	-0.073	0.396	45.2	147.1	85.9	-113.0	78.6	137.7	145.1	0.25	1.00	0.00
G00B=G	61.8	0.189	0.536	0.353	-0.204	0.408	39.5	158.8	82.8	-119.5	37.9	125.4	162.3	0.00	1.00	0.00
G25B	58.9	0.165	0.349	0.473	-0.553	0.728	28.9	193.9	81.2	-86.9	-13.9	88.0	189.1	0.00	1.00	0.50
G50B	45.4	0.142	0.252	0.564	-0.957	1.111	29.5	233.5	73.1	-61.3	-46.1	76.7	216.9	0.00	1.00	1.00
G75B	29.3	0.128	0.185	0.691	-1.478	1.631	31.5	256.0	61.0	-33.4	-66.8	74.7	243.4	0.00	0.50	1.00
B00R=B	18.7	0.127	0.129	0.984	-2.297	2.499	34.9	271.0	50.4	3.3	-84.8	84.9	272.2	0.00	0.00	1.00
B25R	8.8	0.136	0.067	2.031	-4.745	5.162	39.4	284.0	35.7	64.2	-108.5	126.1	300.6	0.50	0.00	1.00
B50R	26.3	0.329	0.14	2.343	-1.509	2.787	46.3	322.3	58.3	112.5	-65.8	130.3	329.6	1.00	0.00	1.00
B75R	40.6	0.437	0.249	1.75	-0.501	1.82	32.6	355.2	69.9	83.6	-7.1	83.9	355.1	1.00	0.00	0.50
5 step equidistant grey scale with intended lightness: L* = 0.0, 25.0, 50.0, 75.0, 100.0																
N000W=N	0.0	0.0	0.0	0.0	0.0	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
N025W	4.4	0.312	0.329	0.95	-0.435	1.045	0.0	77.5	25.0	0.0	0.0	0.0	0.0	0.25	0.25	0.25
N050W	18.4	0.312	0.329	0.95	-0.435	1.045	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50	0.50	0.50
N075W	48.2	0.312	0.329	0.95	-0.435	1.045	0.0	21.0	75.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75
N100W=W	100.0	0.312	0.329	0.95	-0.435	1.045	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00