Colour difference formula	Correlation of experimental data and colour difference formula by index S_{100} S_{100} is calculated on the basis of the STRESS formula of *M. Melgosa* The maximum value for total agreement is $S_{100} = 100$ Calculations for experimental **threshold data** of *P. Kittelmann (2008)*					
	Calculation with standard parameters			**Calculation with optimized parameters**		
	Stress index $S_{100,s}$	**Name and value of parameters**		**Stress index** $S_{100,o}$	**Name and value of parameters**	
CIELAB	55	$\alpha = 1$	$\beta = 1$	80	$\alpha = 0,52$	$\beta = 0,15$
CMC	57	$l = 1$	$c = 1$	71	$l = 0,42$	$c = 2,42$
CIE94	59	$K_C = 1$	$K_H = 1$	71	$K_C = 4,43$	$K_H = 2,03$
CIEDE2000	61	$K_C = 1$	$K_H = 1$	74	$K_C = 2,95$	$K_H = 3,18$
DIN99	68	$k_E = 1$	$k_{CH} = 1$	77	$k_E = 1,76$	$k_{CH} = 1,95$
DIN99o	59	$k_E = 1$	$k_{CH} = 1$	75	$k_E = 0,78$	$k_{CH} = 3,44$
LABJNS	60	$a_0 = 1$	$b_0 = 1,8$	81	$a_0 = 2,52$	$b_0 = 0,61$