

Appendix A

Example Number	White Base Paint	Coloured Pigment Type and Quantity	Number of Coloured Pigments	PLC	Organic Pigment	Inorganic Pigment ('h' for similar hue to org. pig.)	Black
1	-	-		-	-	-	-
2	1298g Example 1	0.0176g CI Pigment Red 112 Monoazo (CAS 6535-46-2)	1	N	Y	N	N
3	1298g Example 1	0.115g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2)	1	N	Y	N	N
4	1298g Example 1	0.115g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2), 0.00709g CI Pigment Green 7 (CAS 1328-53-6)	2	N	Y	N	N
5	1298g Example 1	0.0613g CI Pigment Blue 15.3 Phthalocyanine (CAS 147-14-8)	1	N	Y	N	N
6	1298g Example 1	0.0246g CI Pigment Red 122 Quinacridone (CAS 16043-40-6)	1	N	Y	N	N
7	1298g Example 1	0.0527g CI Pigment Red 112 Monoazo (CAS 6535-46-2)	1	N	Y	N	N

8	1298g Example 1	0.345g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2)	1	N	Y	N	N
9	1298g Example 1	0.0345g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2) , 0.0425g CI Pigment Green 7 (CAS 1328-53-6)	2	N	Y	N	N
10	1298g Example 1	0.0182g CI Pigment Blue 15.3 Phthalocyanine (CAS 147-14-8), 0.00822g CI Pigment Violet 23 Dioxazine (CAS 6358-30-1)	2	N	Y	N	N
11	1298g Example 1	0.00822g CI Pigment Violet 23 Dioxazine (CAS 6358-30-1) , 0.0370g CI Pigment Red 122 Quinacridone (CAS 16043-40-6)	2	N	Y	N	N
12	1298g Example 1	0.158g CI Pigment Red 112 Monoazo (CAS 6535-46-2)	1	N	Y	N	N
13	1298g Example 1	1.04g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2)	1	N	Y	N	N
14	1298g Example 1	0.104g CI Pigment Yellow 74 Monoazo	2	N	Y	N	N

		(CAS 6358-31-2) , 0.128g CI Pigment Green 7 (CAS 1328-53-6)					
15	1298g Example 1	0.0547g CI Pigment Blue 15.3 Phthalocyanine (CAS 147-14-8), 0.0251g of CI Pigment Violet 23 Dioxazine (CAS 6358-30-1)	2	N	Y	N	N
16	1298g Example 1	0.0251g CI Pigment Violet 23 Dioxazine (CAS 6358-30-1) , 0.111g CI Pigment Red 122 Quinacridone (CAS 16043-40-6)	2	N	Y	N	N
17	Base paint	-	-	-	-	-	-
18	1414 g Example 17	0.725g of CI Pigment Yellow 74 Monoazo (CAS 6358-31-2)	1	N	Y	N	N
19	As 18	As 18	1	P (SA 50 Yellow)	Y	N	N
20	1414g Example 17	0.0527g of CI Pigment Red 112 Monoazo (CAS 6535-46-2)	1	N	Y	N	N
21	As 20	As 20	1	P (SA 50 Red)	Y	N	N
22	1414 g Example 17	F	1	F	N	N	N
23	1414 g	0.0740g of CI	1	N	Y	N	N

	Example 17	Pigment Red 122 Quinacridone (CAS 16043-40-6)					
24	As 23	As 23	1	F	Y	N	N
25	1414 g Example 17	As 23	1	F	Y	N	N
26	1298g Example 1	F	1	F	Y	N	N
27	1414 g Example 17	0.0364g of CI Pigment Blue 15.3 Phthalocyanine (CAS 147-14-8)	1	N	Y	N	N
28	1414 g Example 17	As Example 27	1	O	Y	N	N
29	1298g Example 1	As Example 27	1	N	Y	N	N
30	1298g Example 1	As Example 27	1	O	Y	N	N
31	1298g Example 1	1.35g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.557g CI Pigment Red 101 (CAS 1345-25-1)	2	N	N	Y	N
32	1298g Example 1	0.0678g CI Pigment Red 112 Monoazo (CAS 6535-46-2) , 3.12g CI Pigment Yellow 42 (CAS 51274-00-1)	2	N	Y	Y	N
33	1298g Example	1.92g CI Pigment	2	N	N	Y	N

	1	Yellow 42 (CAS 51274-00-1) , 0.193g CI Pigment Red 101 (CAS 1345-25-1)					
34	1298g Example 1	1.26g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.126g CI Pigment Red 101 (CAS 1345-25-1)	2	N	N	Y	N
35	1298g Example 1	1.61g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.141g CI Pigment Red 101 (CAS 1345-25-1)	2	N	N	Y	N
36	1298g Example 1	0.0104g CI Pigment Red 112 Azo (CAS 6535-46-2) , 0.890g CI Pigment Yellow 42 (CAS 51274-00-1)	1	N	N	Y	N
37	1298g Example 1	4.29g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.0594g CI Pigment Red 101 (CAS 1345-25-1)	2	N	N	Y	N
38	1298g Example 1	1.67g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.0223g CI Pigment Red 101 (CAS 1345-25-1)	1	N	N	Y	N

39	1298g Example 1	0.186g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2) , 3.78g CI Pigment Yellow 42 (CAS 51274-00-1)	2	N	Y	Y(h)	N
40	1298g Example 1	1.03g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2) , 1.32g CI Pigment Yellow 42 (CAS 51274-00-1)	2	N	Y	Y(h)	N
41	1298g Example 1	0.584g CI Pigment Yellow 74 Monoazo (CAS 6358-31-2) , 0.200g CI Pigment Yellow 42 (CAS 51274-00-1)	2	N	Y	Y(h)	N
42	1298g Example 1	0.0771g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.00473g CI Pigment Violet 23 (CAS 6358-30-1) Dioxazine, 0.0346g CI Pigment Blue 15.3 Phthalocyanine (CAS 147-14-8)	2	N	Y	N	N
43	1298g Example 1	0.119g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.0666g CI Pigment Violet 23	3	N	Y	Y	N

		Dioxazine (CAS 6358-30-1) , 0.00115g CI Pigment Blue 15.3 Phthalocyanine (CAS 147-14-8)					
44	1298g Example 1	0.0863g CI Pigment Black 7 Carbon Black (CAS 1333-86-4)	0	N	N	N	Y
45	White base paint	-	-	-	-	-	-
46	1243g Example 45	0.00503g CI Pigment Black 7 Carbon Black, (CAS 1333-86-4) 0.134g CI Pigment Yellow 42 (CAS 51274-00-1) , 0.000348g CI Pigment Red 255 DPP (CAS 54660-00-3),	1	N	N	Y	Y
47	1298g Example 1	0.130 g CI Pigment Black 7 Carbon Black (CAS 1333-86-4)	0	N	N	N	Y

Table 1

Example No.	Hue	Chroma	LRV _{Measured}	LRV _{Required}	Satisfies Equation 4 (Region A or B) ?
1 (white base paint)	-	-	-	-	-
2	21.0	2.7	90.5	87.9	Y(A)
3	98.6	8.3	93.3	89.6	Y(A)
4	128.0	4.4	93.2	89.9	Y(A)
5	186.0	3.4	91.6	89.0	Y(A)
6	354.0	2.3	90.4	88.5	Y(A)
7	4.1	5.8	86.1	83.9	Y(A)
8	95.6	13.7	92.0	87.3	Y(A)
9	156.0	6.8	89.8	86.7	Y(A)
10	240.0	3.6	86.7	83.2	Y(A)
11	318.0	4.1	85.8	82.5	Y(A)
12	0.00	10.4	79.0	77.5	Y(A)
13	94.0	21.8	90.0	83.6	Y(A)
14	160.0	10.8	85.0	82.6	Y(A)
15	248.0	6.8	81.0	76.9	Y(A)
16	334.0	10.3	79.0	76.8	Y(A)
17 (white base paint)	-	-	-	-	-
18	94.3	15.7	85.9	86.3	Y(B)
19	100.0	22.3	85.8	84.7	Y(A)
20	33.7	4.02	84.2	87.0	Y(B)
21	24.5	10.4	79.9	77.2	Y(A)
22	100.0	22.6	85.8	80.8	Y(A)
23	18.2	3.18	84.2	87.3	N
24	339.0	15.9	72.8	69.6	Y(A)
25	340.0	21.7	68.3	61.9	Y(A)
26	116.3	25.7	99.94	76.6	Y(A)
27	169.0	3.99	85.1	89.2	N
28	217.0	5.47	85.8	82.3	Y(A)
29	209.0	7.12	87.3	81.6	Y(A)
30	244.0	10.81	89.2	71.8	Y(A)
31	55.1	12.2	75.3	75.1	Y(B)
32	62.6	15.0	76.0	72.0	Y(B)

33	70.4	12.9	80.0	78.4	Y(B)
34	71.2	11.2	82.7	80.6	Y(B)
35	72.1	12.2	81.5	79.7	Y(B)
36	74.3	9.33	86.3	85.5	Y(A)
37	77.1	18.3	77.8	75.4	Y(B)
38	80.0	12.8	84.4	84.2	Y(A)
39	80.6	19.4	79.7	79.1	Y(A)
40	87.1	22.9	84.0	80.3	Y(A)
41	92.3	18.0	89.3	84.9	Y(A)
42	209.0	5.33	84.9	84.3	Y(A)
43	295.0	6.86	76.2	74.4	Y(B)
44	127.5	1.47	92.3	91.5	Y(B)
45 (white base paint)	-	-	-	-	-
46	98.6	3.48	92.1	91.3	Y(A)
47	134	1.29	91.2	91.6	N

Table 5

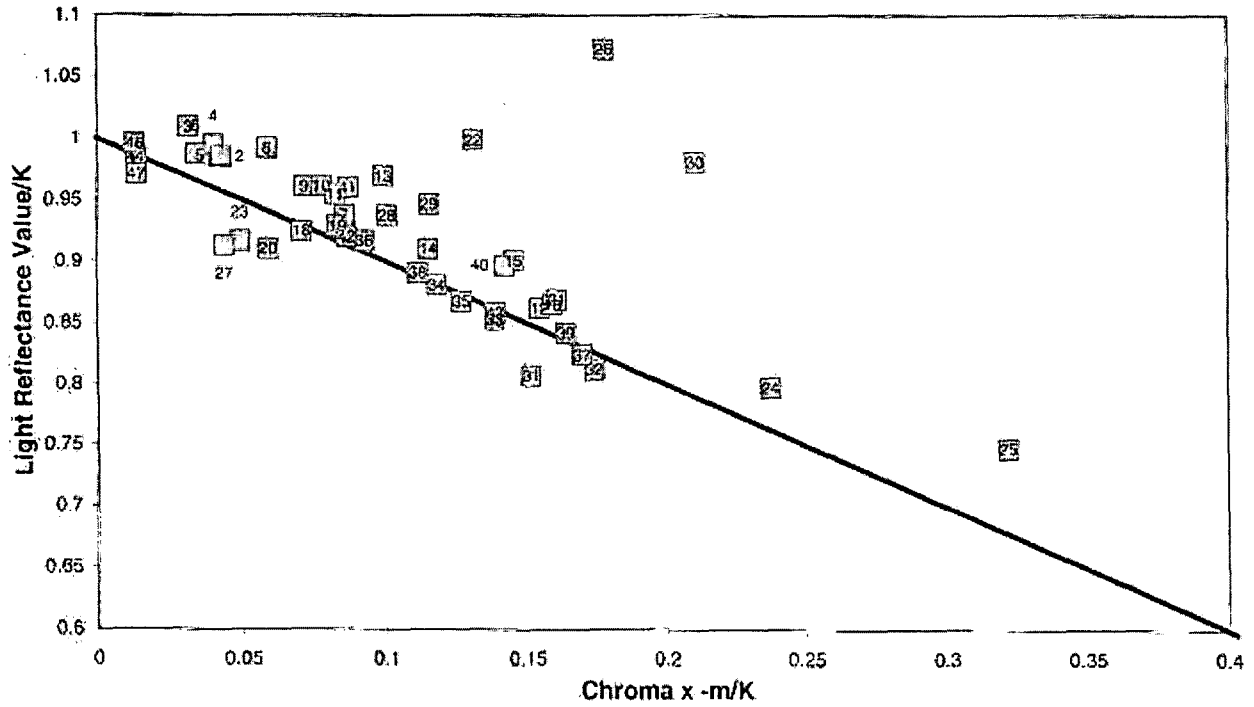


FIGURE 1

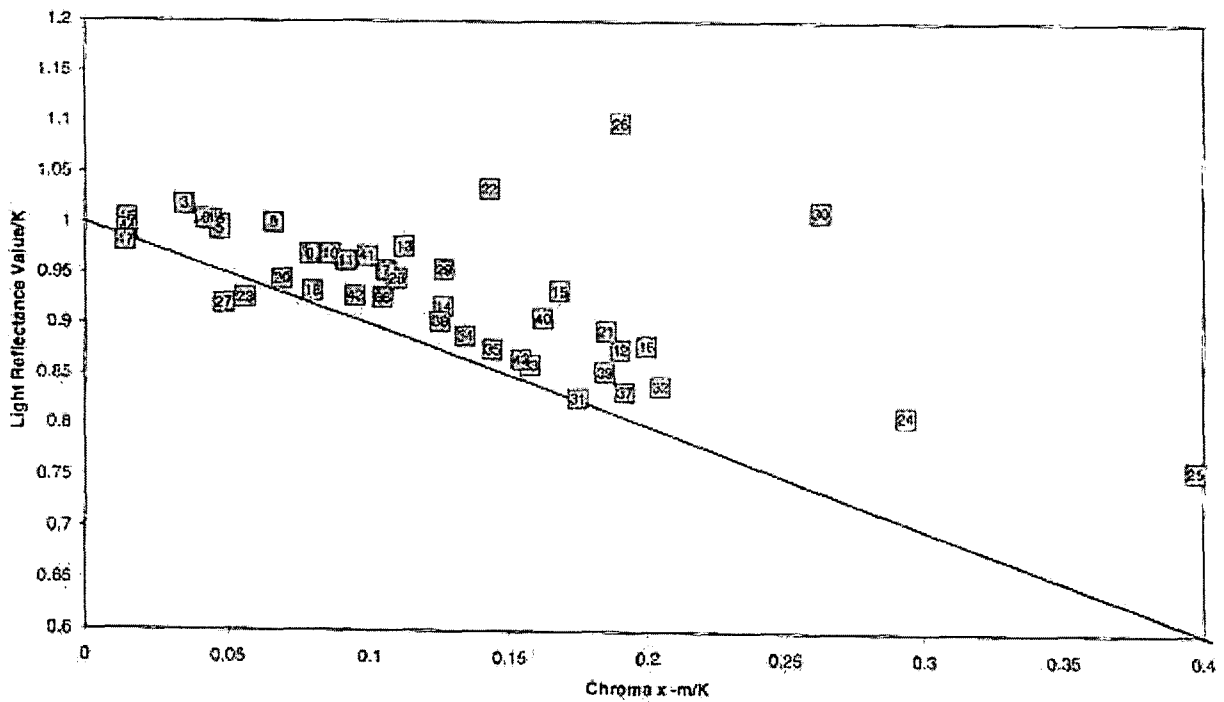


FIGURE 2