



Print created by:	https://cielab.xyz	Measuring device:	EFI ES-2000 - M0
Last calibration:	2023_08_15	Measurement conditions:	D50 2gr M0
Proofing system:	EFI 7	Measuring underlay:	White Backibg
Control strip:	Ugra Fogra-MediaWedge V2.2a	Printer:	Epson
Delta E format:	dE CIE76	Proof profile:	GMG 250 Proofing Paper 2023_08
Reference profile:	ISO Coated v2	Proofing substrate:	GMG Proofing Paper Semimatt
Reference data:	FOGRA 39L	Colorant:	Ultrachrome K3
Reference printing conditions:	ISO Coated v2	Job ID/Name	-/ISOcoated_v2_300_eci_WP_...
Fogra PSD Visual Assessment	-		

Summary

Criteria	Difference	Tolerance	Status
Average all patches	1.0 dE -	3.0	OK
Maximum all patches	2.2 dE Patch 8	6.0	OK
Paper white	0.4 dE Patch 40	3.0	OK
Cyan	1.4 dE Patch 1	5.0	OK
Magenta	2.0 dE Patch 4	5.0	OK
Yellow	2.1 dE Patch 7	5.0	OK
Black	0.3 dE Patch 23	5.0	OK
Hue difference - CMY	1.2 dH -	2.5	OK
Hue difference - CMYK	1.2 dH -	2.5	OK
Hue difference - CMYRGB	1.2 dH -	4.0	OK
Hue diff. average gray	0.3 dH -	1.5	OK
Tone value diff.	1.3 % Patch 19	10.0	OK
Average CMYK patches	0.9 dCh -	2.5	OK
Maximum weighted CMY scale	1.3 dCh -	3.0	OK
Average weighted CMY scale	0.7 dCh -	1.5	OK
Maximum weighted K scale	0.9 dL -	3.0	OK
Average weighted K scale	0.3 dL -	1.5	OK
Maximum weighted CMY scale	0.8 dL -	3.0	OK
Average weighted CMY scale	0.3 dL -	1.5	OK

Overall Result

PASSED

Measuring data analysis

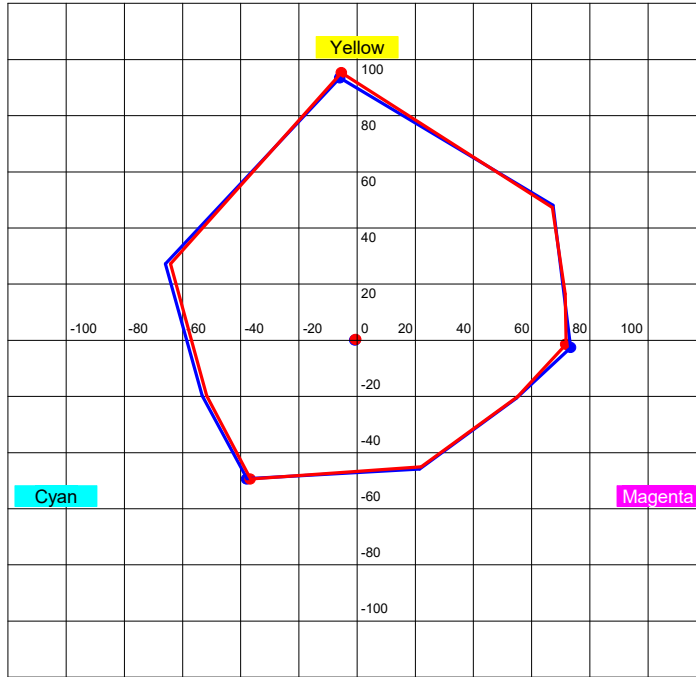
Patch ID	Reference				Measured			Color difference							Result		
	C	M	Y	K	L*	a*	b*	L*	a*	b*	Delta E	dL*	da*	db*		dH*	Tone value diff.
1	100	0	0	0	55.26	-37.90	-49.31	54.75	-36.59	-49.34	1.41	0.51	1.31	0.03	1.07	-	OK
2	70	0	0	0	67.17	-25.65	-36.31	67.25	-24.82	-36.30	0.83	0.08	0.83	0.01	0.68	-0.42%	OK
3	40	0	0	0	80.07	-13.51	-20.84	80.54	-12.99	-20.62	0.73	0.47	0.52	0.22	0.32	-0.99%	OK
4	0	100	0	0	48.23	73.37	-2.58	48.54	71.82	-1.37	1.99	0.31	1.55	1.20	1.16	-	OK
5	0	70	0	0	61.14	49.89	-6.16	61.12	50.05	-5.84	0.36	0.01	0.16	0.31	0.33	0.48%	OK
6	0	40	0	0	76.76	24.89	-6.15	76.96	25.10	-5.47	0.74	0.19	0.21	0.67	0.70	0.27%	OK
7	0	0	100	0	89.39	-5.99	93.46	89.75	-5.36	95.38	2.05	0.36	0.63	1.92	0.74	-	OK
8	0	0	70	0	90.73	-5.69	63.16	90.73	-5.52	65.40	2.25	0.01	0.17	2.24	0.36	1.24%	OK
9	0	0	40	0	92.58	-4.51	31.95	92.39	-4.68	32.58	0.68	0.19	0.17	0.63	0.08	1.27%	OK
10	20	70	70	0	53.38	37.00	29.20	53.03	37.51	29.69	0.79	0.35	0.51	0.49	0.06	-	OK
11	40	70	70	20	41.80	21.99	16.89	41.81	21.38	16.71	0.64	0.02	0.61	0.18	0.24	-	OK
12	40	100	100	20	32.11	39.31	24.00	32.30	39.13	23.99	0.26	0.19	0.18	0.02	0.08	-	OK
13	40	100	40	20	32.73	43.81	-1.67	32.92	43.74	-0.95	0.75	0.19	0.07	0.71	0.71	-	OK
14	40	40	100	20	51.54	0.47	44.69	51.08	1.04	44.41	0.78	0.45	0.57	0.28	0.58	-	OK
15	100	40	100	20	34.77	-37.22	13.97	34.31	-36.32	14.01	1.01	0.46	0.90	0.04	0.35	-	OK
16	100	40	40	20	36.16	-26.94	-20.56	35.56	-25.76	-20.36	1.34	0.61	1.18	0.20	0.57	-	OK
17	100	100	40	20	21.12	8.88	-23.53	21.24	8.72	-23.96	0.47	0.12	0.16	0.42	0.30	-	OK
18	0	0	0	10	89.32	-1.04	-1.12	89.88	-0.81	-0.47	0.89	0.56	0.24	0.65	0.35	-0.58%	OK
19	0	0	0	20	83.13	-1.09	-1.18	84.04	-0.66	-0.72	1.11	0.92	0.43	0.46	0.01	-1.33%	OK
20	0	0	0	40	69.58	-1.05	-1.33	69.94	-0.46	-0.49	1.09	0.36	0.60	0.84	0.09	-0.16%	OK
21	0	0	0	60	54.41	-0.96	-0.68	54.30	0.13	-0.31	1.16	0.10	1.08	0.37	0.78	0.34%	OK
22	0	0	0	80	36.83	-0.78	-0.36	36.67	-0.55	-0.07	0.40	0.16	0.24	0.30	0.21	0.19%	OK
23	0	0	0	100	16.15	-0.71	-0.07	16.21	-0.53	0.17	0.31	0.06	0.18	0.23	0.25	-	OK
24	100	100	0	0	24.05	21.47	-45.82	24.58	22.02	-45.03	1.10	0.52	0.55	0.79	0.83	-	OK
25	70	70	0	0	41.16	17.14	-36.17	41.20	17.99	-35.10	1.37	0.04	0.85	1.07	1.23	-	OK
26	40	40	0	0	63.99	9.49	-23.09	63.70	10.90	-22.56	1.53	0.28	1.40	0.53	1.50	-	OK
27	0	100	100	0	47.24	67.37	48.14	46.84	67.10	47.27	0.99	0.40	0.27	0.87	0.56	-	OK
28	0	70	70	0	58.81	46.38	38.16	58.52	46.19	37.25	0.97	0.29	0.19	0.91	0.58	-	OK
29	0	40	40	0	74.50	22.07	22.00	74.29	22.87	23.00	1.30	0.21	0.80	0.99	0.13	-	OK
30	100	0	100	0	50.27	-65.93	27.30	49.99	-64.20	27.25	1.75	0.28	1.72	0.05	0.62	-	OK
31	70	0	70	0	62.46	-40.80	21.43	62.09	-39.99	22.00	1.06	0.36	0.82	0.57	0.89	-	OK
32	40	0	40	0	77.30	-20.04	11.71	77.61	-19.56	13.09	1.49	0.32	0.48	1.38	1.42	-	OK
33	10	40	40	0	71.53	17.98	17.82	71.37	18.85	18.05	0.91	0.16	0.87	0.23	0.44	-	OK
34	0	40	100	0	71.60	21.26	73.43	71.45	22.14	73.06	0.97	0.15	0.87	0.37	0.94	-	OK
35	0	100	40	0	47.98	70.54	16.52	47.92	71.50	16.48	0.96	0.06	0.95	0.04	0.25	-	OK
36	40	100	0	0	38.23	54.73	-20.66	38.48	55.10	-20.02	0.78	0.25	0.37	0.64	0.73	-	OK
37	40	0	100	0	73.99	-23.81	67.95	74.25	-23.21	68.32	0.75	0.27	0.59	0.37	0.68	-	OK
38	100	0	40	0	52.60	-53.23	-19.68	52.06	-51.76	-19.68	1.57	0.54	1.48	0.00	0.52	-	OK
39	100	40	0	0	43.54	-17.79	-48.13	43.49	-17.29	-47.69	0.67	0.05	0.51	0.44	0.32	-	OK
40	0	0	0	0	95.80	-0.50	-0.60	96.14	-0.77	-0.60	0.43	0.34	0.27	0.00	0.19	-	OK
41	10	6	6	0	88.90	-1.35	-2.25	89.43	-0.97	-2.07	0.68	0.53	0.38	0.18	0.25	-	OK
42	20	12	12	0	82.33	-1.81	-3.27	83.10	-1.32	-2.97	0.96	0.77	0.48	0.31	0.30	-	OK
43	40	27	27	0	67.99	-2.83	-3.73	68.05	-1.78	-3.05	1.25	0.07	1.05	0.68	0.49	-	OK
44	60	45	45	0	52.50	-3.31	-3.09	52.21	-1.87	-2.62	1.54	0.29	1.43	0.47	0.75	-	OK
45	80	65	65	0	37.74	-4.67	-2.91	37.82	-3.86	-2.51	0.91	0.09	0.81	0.40	0.10	-	OK
46	100	85	85	0	26.48	-7.51	-3.40	26.62	-6.95	-2.98	0.71	0.14	0.56	0.43	0.17	-	OK

Color space comparison

- Reference
- Measured

Primary colors

- Reference
 - C: L*55.26 a*-37.90 b*-49.31
 - M: L*48.23 a*73.37 b*-2.58
 - Y: L*89.39 a*-5.99 b*93.46
 - K: L*16.15 a*-0.71 b*-0.07
- Measured
 - C: L*54.75 a*-36.59 b*-49.34
 - M: L*48.54 a*71.82 b*-1.37
 - Y: L*89.75 a*-5.36 b*95.38
 - K: L*16.21 a*-0.53 b*0.17



Gradation Curves

