



Print created by:	https://cielab.xyz	Measuring device:	EFI ES-2000 - M0
Last calibration:	2023_03_08	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_03
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	1.1 dE -	3.0	OK
Maximum all patches	2.8 dE Patch 8	6.0	OK
Paper white	0.5 dE Patch 40	3.0	OK
Cyan	2.2 dE Patch 1	5.0	OK
Magenta	2.0 dE Patch 4	5.0	OK
Yellow	2.3 dE Patch 7	5.0	OK
Black	1.2 dE Patch 23	5.0	OK
Hue difference - CMY	1.1 dH -	2.5	OK
Hue difference - CMYK	1.1 dH -	2.5	OK
Hue difference - CMYRGB	1.1 dH -	4.0	OK
Hue diff. average gray	0.6 dH -	1.5	OK
Tone value diff.	1.6 % Patch 8	10.0	OK
Average CMYK patches	1.0 dCh -	2.5	OK
Maximum weighted CMY scale	1.5 dCh -	3.0	OK
Average weighted CMY scale	0.8 dCh -	1.5	OK
Maximum weighted K scale	0.8 dL -	3.0	OK
Average weighted K scale	0.4 dL -	1.5	OK
Maximum weighted CMY scale	0.9 dL -	3.0	OK
Average weighted CMY scale	0.4 dL -	1.5	OK

Overall Result

PASSED

Measuring data analysis

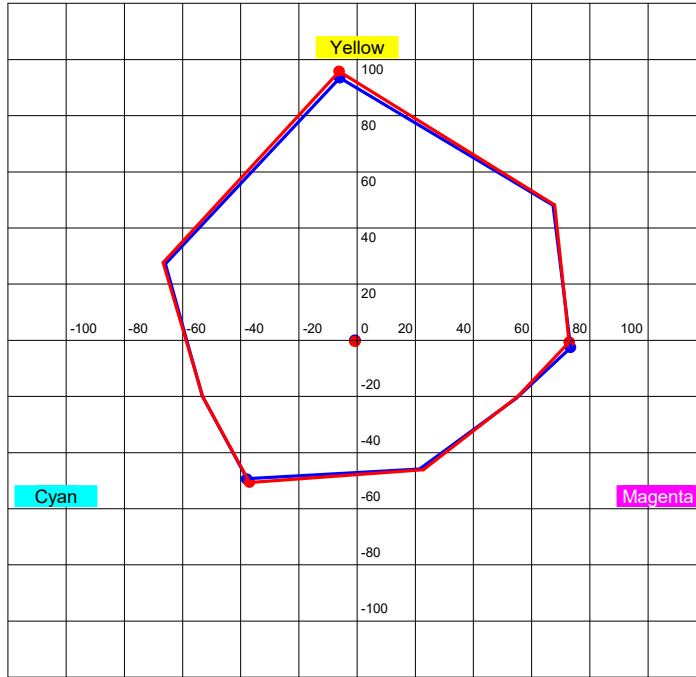
Patch ID	Reference				Measured			Color difference				Tone value diff.	Result				
	C	M	Y	K	L*	a*	b*	Delta E	dL*	da*	db*			dH*			
1	100	0	0	0	55.26	-37.90	-49.31	53.64	-37.01	-50.57	2.24	1.62	0.89	1.26	1.47	-	OK
2	70	0	0	0	67.17	-25.65	-36.31	66.93	-25.33	-36.79	0.62	0.24	0.32	0.48	0.54	-0.86%	OK
3	40	0	0	0	80.07	-13.51	-20.84	79.67	-13.26	-21.31	0.67	0.41	0.25	0.47	0.46	0.06%	OK
4	0	100	0	0	48.23	73.37	-2.58	48.30	72.88	-0.68	1.96	0.07	0.48	1.90	1.89	-	OK
5	0	70	0	0	61.14	49.89	-6.16	60.40	50.55	-5.41	1.24	0.74	0.66	0.74	0.81	1.20%	OK
6	0	40	0	0	76.76	24.89	-6.15	76.59	25.57	-5.68	0.84	0.18	0.67	0.46	0.60	0.44%	OK
7	0	0	100	0	89.39	-5.99	93.46	89.04	-6.16	95.77	2.34	0.35	0.17	2.31	0.02	-	OK
8	0	0	70	0	90.73	-5.69	63.16	90.24	-5.50	65.96	2.85	0.49	0.19	2.80	0.43	1.62%	OK
9	0	0	40	0	92.58	-4.51	31.95	91.87	-4.22	30.97	1.24	0.71	0.29	0.97	0.16	0.12%	OK
10	20	70	70	0	53.38	37.00	29.20	53.41	37.29	29.62	0.51	0.03	0.29	0.42	0.15	-	OK
11	40	70	70	20	41.80	21.99	16.89	41.31	22.48	17.33	0.82	0.49	0.49	0.44	0.05	-	OK
12	40	100	100	20	32.11	39.31	24.00	31.25	40.28	24.47	1.38	0.86	0.97	0.47	0.10	-	OK
13	40	100	40	20	32.73	43.81	-1.67	32.30	44.45	-1.39	0.82	0.43	0.64	0.28	0.30	-	OK
14	40	40	100	20	51.54	0.47	44.69	51.34	0.77	46.15	1.50	0.20	0.30	1.45	0.28	-	OK
15	100	40	100	20	34.77	-37.22	13.97	33.26	-37.54	13.57	1.59	1.51	0.32	0.40	0.49	-	OK
16	100	40	40	20	36.16	-26.94	-20.56	35.40	-26.32	-21.09	1.11	0.76	0.62	0.53	0.80	-	OK
17	100	100	40	20	21.12	8.88	-23.53	19.96	9.27	-23.55	1.22	1.16	0.39	0.02	0.36	-	OK
18	0	0	0	10	89.32	-1.04	-1.12	89.29	-0.22	-1.02	0.83	0.04	0.83	0.10	0.68	0.06%	OK
19	0	0	0	20	83.13	-1.09	-1.18	82.91	-0.50	-0.78	0.75	0.22	0.59	0.41	0.21	0.39%	OK
20	0	0	0	40	69.58	-1.05	-1.33	69.25	-0.77	-1.07	0.50	0.33	0.29	0.26	0.07	0.38%	OK
21	0	0	0	60	54.41	-0.96	-0.68	55.28	-0.23	-0.34	1.19	0.87	0.73	0.34	0.25	-1.16%	OK
22	0	0	0	80	36.83	-0.78	-0.36	35.34	-0.08	-0.15	1.66	1.49	0.70	0.21	0.24	0.65%	OK
23	0	0	0	100	16.15	-0.71	-0.07	14.95	-0.78	-0.36	1.24	1.20	0.07	0.30	0.27	-	OK
24	100	100	0	0	24.05	21.47	-45.82	22.96	22.76	-46.02	1.70	1.09	1.28	0.20	1.07	-	OK
25	70	70	0	0	41.16	17.14	-36.17	40.21	18.10	-35.54	1.49	0.94	0.96	0.63	1.14	-	OK
26	40	40	0	0	63.99	9.49	-23.09	63.52	10.22	-22.54	1.03	0.46	0.73	0.55	0.89	-	OK
27	0	100	100	0	47.24	67.37	48.14	47.22	67.91	48.28	0.56	0.02	0.54	0.13	0.21	-	OK
28	0	70	70	0	58.81	46.38	38.16	58.17	47.59	40.08	2.36	0.64	1.22	1.92	0.70	-	OK
29	0	40	40	0	74.50	22.07	22.00	74.46	23.07	23.02	1.43	0.04	1.00	1.01	0.01	-	OK
30	100	0	100	0	50.27	-65.93	27.30	48.40	-66.64	27.74	2.05	1.87	0.71	0.43	0.13	-	OK
31	70	0	70	0	62.46	-40.80	21.43	61.95	-40.44	22.08	0.90	0.51	0.36	0.65	0.75	-	OK
32	40	0	40	0	77.30	-20.04	11.71	77.31	-19.13	11.38	0.97	0.01	0.91	0.32	0.18	-	OK
33	10	40	40	0	71.53	17.98	17.82	71.43	18.86	18.53	1.14	0.09	0.88	0.71	0.11	-	OK
34	0	40	100	0	71.60	21.26	73.43	71.30	22.13	73.34	0.92	0.30	0.87	0.09	0.86	-	OK
35	0	100	40	0	47.98	70.54	16.52	47.79	71.11	17.34	1.02	0.19	0.56	0.82	0.67	-	OK
36	40	100	0	0	38.23	54.73	-20.66	37.77	55.26	-19.96	0.99	0.46	0.53	0.70	0.84	-	OK
37	40	0	100	0	73.99	-23.81	67.95	74.02	-23.32	68.51	0.74	0.03	0.48	0.56	0.64	-	OK
38	100	0	40	0	52.60	-53.23	-19.68	51.62	-53.01	-20.20	1.13	0.98	0.23	0.52	0.57	-	OK
39	100	40	0	0	43.54	-17.79	-48.13	43.08	-16.41	-47.48	1.59	0.46	1.38	0.65	1.08	-	OK
40	0	0	0	0	95.80	-0.50	-0.60	95.80	-0.51	-1.07	0.47	0.00	0.01	0.47	0.24	-	OK
41	10	6	6	0	88.90	-1.35	-2.25	88.95	-0.67	-2.49	0.72	0.05	0.68	0.23	0.72	-	OK
42	20	12	12	0	82.33	-1.81	-3.27	82.43	-1.07	-3.32	0.75	0.09	0.74	0.05	0.70	-	OK
43	40	27	27	0	67.99	-2.83	-3.73	67.68	-1.92	-3.41	1.01	0.30	0.91	0.33	0.58	-	OK
44	60	45	45	0	52.50	-3.31	-3.09	53.06	-1.74	-2.39	1.81	0.56	1.57	0.70	0.69	-	OK
45	80	65	65	0	37.74	-4.67	-2.91	36.02	-3.91	-2.15	2.03	1.72	0.76	0.77	0.28	-	OK
46	100	85	85	0	26.48	-7.51	-3.40	24.92	-6.83	-3.74	1.74	1.56	0.68	0.34	0.61	-	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*53.64 a*-37.01 b*-50.57
 - M: L*48.30 a*72.88 b*-0.68
 - Y: L*89.04 a*-6.16 b*95.77
 - K: L*14.95 a*-0.78 b*-0.36



Gradation Curves

