



Print created by:	https://cielab.xyz	Measuring device:	EFI ES-2000 - M0
Last calibration:	2023_01_25	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 190 Proofing Paper 2023_01
Reference profile:	ISO Coated v2	Proofing substrate:	GMG Proofing Paper Gloss
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	2.4	dE	Patch 8	6.0	OK
Paper white	0.5	dE	Patch 40	3.0	OK
Cyan	1.1	dE	Patch 1	5.0	OK
Magenta	2.4	dE	Patch 4	5.0	OK
Yellow	1.0	dE	Patch 7	5.0	OK
Black	0.9	dE	Patch 23	5.0	OK
Hue difference - CMY	1.6	dH	-	2.5	OK
Hue difference - CMYK	1.6	dH	-	2.5	OK
Hue difference - CMYRGB	1.6	dH	-	4.0	OK
Hue diff. average gray	0.4	dH	-	1.5	OK
Tone value diff.	1.8	%	Patch 9	10.0	OK
Average CMYK patches	0.9	dCh	-	2.5	OK
Maximum weighted CMY scale	1.2	dCh	-	3.0	OK
Average weighted CMY scale	0.6	dCh	-	1.5	OK
Maximum weighted K scale	0.4	dL	-	3.0	OK
Average weighted K scale	0.2	dL	-	1.5	OK
Maximum weighted CMY scale	0.4	dL	-	3.0	OK
Average weighted CMY scale	0.2	dL	-	1.5	OK

Overall Result

PASSED

Measuring data analysis

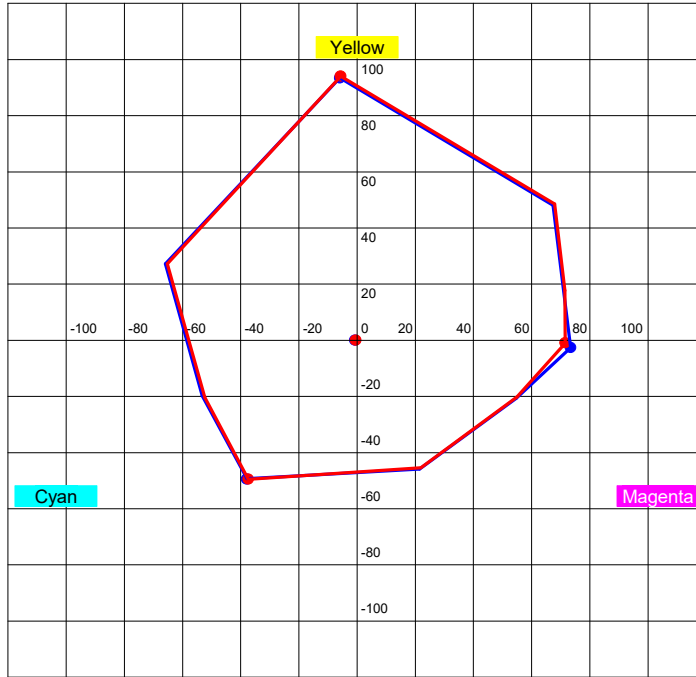
Patch ID	Reference				Measured			Color difference				Tone value diff.	Result				
	C	M	Y	K	L*	a*	b*	Delta E	dL*	da*	db*			dH*			
1	100	0	0	0	55.26	-37.90	-49.31	54.30	-37.38	-49.49	1.11	0.96	0.52	0.18	0.53	-	OK
2	70	0	0	0	67.17	-25.65	-36.31	67.13	-25.47	-36.06	0.31	0.04	0.18	0.24	0.01	-0.73%	OK
3	40	0	0	0	80.07	-13.51	-20.84	79.73	-13.53	-20.96	0.36	0.34	0.01	0.12	0.05	0.21%	OK
4	0	100	0	0	48.23	73.37	-2.58	48.49	71.58	-0.97	2.42	0.26	1.79	1.60	1.56	-	OK
5	0	70	0	0	61.14	49.89	-6.16	60.82	50.75	-5.90	0.95	0.32	0.86	0.25	0.35	0.68%	OK
6	0	40	0	0	76.76	24.89	-6.15	76.95	25.10	-5.77	0.47	0.19	0.21	0.38	0.42	-0.43%	OK
7	0	0	100	0	89.39	-5.99	93.46	88.72	-5.58	94.07	0.99	0.67	0.41	0.61	0.45	-	OK
8	0	0	70	0	90.73	-5.69	63.16	90.39	-5.32	65.54	2.43	0.34	0.37	2.38	0.58	1.49%	OK
9	0	0	40	0	92.58	-4.51	31.95	92.13	-4.38	32.90	1.06	0.45	0.13	0.95	0.26	1.81%	OK
10	20	70	70	0	53.38	37.00	29.20	53.47	36.90	29.61	0.43	0.09	0.10	0.41	0.38	-	OK
11	40	70	70	20	41.80	21.99	16.89	42.08	21.94	16.38	0.58	0.28	0.05	0.51	0.38	-	OK
12	40	100	100	20	32.11	39.31	24.00	32.01	40.38	24.90	1.40	0.10	1.08	0.89	0.20	-	OK
13	40	100	40	20	32.73	43.81	-1.67	32.66	42.79	-1.18	1.13	0.08	1.02	0.48	0.45	-	OK
14	40	40	100	20	51.54	0.47	44.69	51.51	1.30	45.34	1.05	0.03	0.83	0.64	0.82	-	OK
15	100	40	100	20	34.77	-37.22	13.97	34.00	-36.72	13.53	1.02	0.77	0.50	0.44	0.24	-	OK
16	100	40	40	20	36.16	-26.94	-20.56	36.52	-25.41	-20.44	1.58	0.36	1.53	0.12	0.85	-	OK
17	100	100	40	20	21.12	8.88	-23.53	20.36	8.66	-23.39	0.80	0.76	0.21	0.14	0.15	-	OK
18	0	0	0	10	89.32	-1.04	-1.12	88.99	-0.63	-0.80	0.62	0.33	0.42	0.31	0.11	0.57%	OK
19	0	0	0	20	83.13	-1.09	-1.18	82.76	-0.77	-0.73	0.66	0.36	0.33	0.46	0.09	0.54%	OK
20	0	0	0	40	69.58	-1.05	-1.33	69.24	-0.48	-0.97	0.76	0.34	0.58	0.36	0.28	0.32%	OK
21	0	0	0	60	54.41	-0.96	-0.68	54.49	-0.27	-0.21	0.84	0.08	0.69	0.47	0.03	-0.30%	OK
22	0	0	0	80	36.83	-0.78	-0.36	37.06	-0.81	0.30	0.70	0.23	0.03	0.66	0.66	-0.34%	OK
23	0	0	0	100	16.15	-0.71	-0.07	15.28	-0.47	-0.03	0.90	0.87	0.23	0.04	0.02	-	OK
24	100	100	0	0	24.05	21.47	-45.82	23.80	21.95	-45.42	0.67	0.25	0.48	0.39	0.60	-	OK
25	70	70	0	0	41.16	17.14	-36.17	40.25	17.58	-35.83	1.07	0.91	0.44	0.34	0.54	-	OK
26	40	40	0	0	63.99	9.49	-23.09	63.96	9.98	-22.45	0.81	0.03	0.48	0.64	0.70	-	OK
27	0	100	100	0	47.24	67.37	48.14	46.94	67.88	48.58	0.74	0.31	0.51	0.43	0.06	-	OK
28	0	70	70	0	58.81	46.38	38.16	58.44	46.74	37.99	0.54	0.37	0.36	0.17	0.36	-	OK
29	0	40	40	0	74.50	22.07	22.00	74.73	22.73	22.75	1.03	0.23	0.66	0.74	0.06	-	OK
30	100	0	100	0	50.27	-65.93	27.30	49.34	-65.29	27.22	1.13	0.93	0.63	0.08	0.17	-	OK
31	70	0	70	0	62.46	-40.80	21.43	62.05	-40.59	21.88	0.64	0.41	0.21	0.45	0.50	-	OK
32	40	0	40	0	77.30	-20.04	11.71	77.11	-19.40	11.73	0.67	0.18	0.64	0.02	0.34	-	OK
33	10	40	40	0	71.53	17.98	17.82	71.72	18.18	18.28	0.54	0.19	0.20	0.46	0.19	-	OK
34	0	40	100	0	71.60	21.26	73.43	71.43	21.98	73.41	0.74	0.17	0.71	0.02	0.69	-	OK
35	0	100	40	0	47.98	70.54	16.52	47.70	71.42	17.76	1.55	0.28	0.88	1.24	0.99	-	OK
36	40	100	0	0	38.23	54.73	-20.66	37.00	54.90	-20.23	1.31	1.23	0.16	0.43	0.46	-	OK
37	40	0	100	0	73.99	-23.81	67.95	73.89	-23.19	70.04	2.18	0.10	0.61	2.10	1.26	-	OK
38	100	0	40	0	52.60	-53.23	-19.68	51.97	-52.34	-20.34	1.27	0.63	0.90	0.66	0.93	-	OK
39	100	40	0	0	43.54	-17.79	-48.13	43.27	-16.41	-47.10	1.74	0.27	1.39	1.03	0.96	-	OK
40	0	0	0	0	95.80	-0.50	-0.60	95.71	-0.45	-1.09	0.50	0.09	0.04	0.49	0.29	-	OK
41	10	6	6	0	88.90	-1.35	-2.25	88.81	-0.91	-2.26	0.45	0.09	0.44	0.01	0.40	-	OK
42	20	12	12	0	82.33	-1.81	-3.27	82.29	-1.45	-3.26	0.36	0.04	0.36	0.01	0.31	-	OK
43	40	27	27	0	67.99	-2.83	-3.73	68.11	-1.97	-3.49	0.90	0.12	0.86	0.24	0.59	-	OK
44	60	45	45	0	52.50	-3.31	-3.09	52.95	-2.06	-2.45	1.47	0.45	1.25	0.64	0.45	-	OK
45	80	65	65	0	37.74	-4.67	-2.91	37.46	-3.97	-2.09	1.11	0.28	0.70	0.82	0.36	-	OK
46	100	85	85	0	26.48	-7.51	-3.40	25.92	-6.46	-3.29	1.20	0.56	1.05	0.12	0.35	-	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*54.30 a*-37.38 b*-49.49
 - M: L*48.49 a*71.58 b*-0.97
 - Y: L*88.72 a*-5.58 b*94.07
 - K: L*15.28 a*-0.47 b*-0.03



Gradation Curves

