



Print created by:	https://cielab.xyz	Measuring device:	EFI ES-2000 - M0
Last calibration:	2024_02_29 Granularity 51	Measurement conditions:	D50 2gr M0
Proofing system:	EFI 7	Measuring underlay:	White Backing
Control strip:	Ugra Fogra-MediaWedge V2.2a	Printer:	Epson
Delta E format:	dE CIE76	Proof profile:	PMP5 250 2024_02_29
Reference profile:	ISO Coated v2	Proofing substrate:	PMP5 250 FOGRA Sert
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	3cc Granularity 51		

Summary

Criteria	Difference	Tolerance	Status
Average all patches	0.8 dE -	3.0	OK
Maximum all patches	2.1 dE Patch 4	6.0	OK
Paper white	0.6 dE Patch 40	3.0	OK
Cyan	0.7 dE Patch 1	5.0	OK
Magenta	2.1 dE Patch 4	5.0	OK
Yellow	1.1 dE Patch 7	5.0	OK
Black	0.8 dE Patch 23	5.0	OK
Hue difference - CMY	0.6 dH -	2.5	OK
Hue difference - CMYK	0.6 dH -	2.5	OK
Hue difference - CMYRGB	1.8 dH -	4.0	OK
Hue diff. average gray	0.3 dH -	1.5	OK
Tone value diff.	1.8 % Patch 18	10.0	OK
Average CMYK patches	0.5 dCh -	2.5	OK
Maximum weighted CMY scale	0.5 dCh -	3.0	OK
Average weighted CMY scale	0.4 dCh -	1.5	OK
Maximum weighted K scale	0.7 dL -	3.0	OK
Average weighted K scale	0.2 dL -	1.5	OK
Maximum weighted CMY scale	0.8 dL -	3.0	OK
Average weighted CMY scale	0.4 dL -	1.5	OK

Overall Result

PASSED

Measuring data analysis

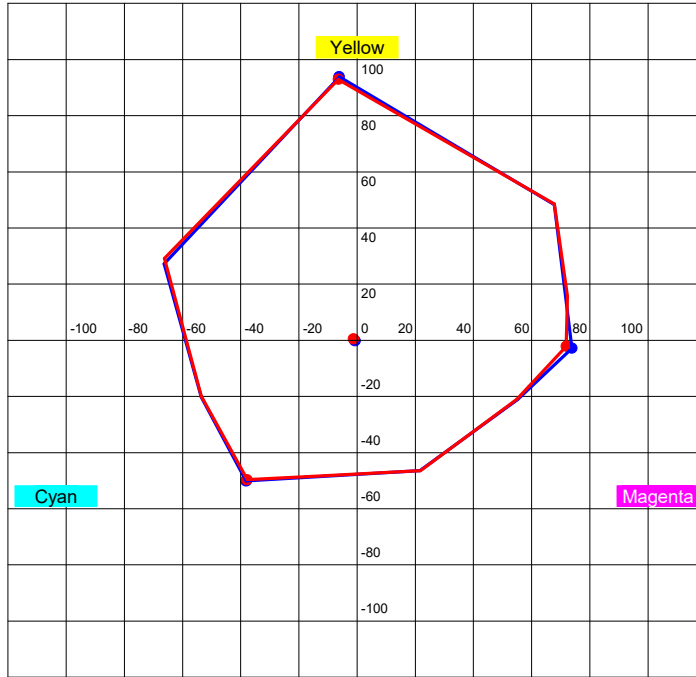
Patch ID	Reference				Measured			Color difference							Result		
	C	M	Y	K	L*	a*	b*	Delta E	dL*	da*	db*	dH*	Tone value diff.				
1	100	0	0	0	55.71	-38.14	-50.06	55.36	-37.78	-49.60	0.68	0.35	0.36	0.46	0.00	-	OK
2	70	0	0	0	67.69	-25.81	-36.99	67.39	-25.71	-36.29	0.77	0.30	0.09	0.71	0.33	-0.10%	OK
3	40	0	0	0	80.67	-13.59	-21.45	80.55	-14.03	-20.20	1.33	0.12	0.44	1.25	1.05	-0.46%	OK
4	0	100	0	0	48.63	73.83	-2.88	48.87	71.88	-2.18	2.09	0.24	1.94	0.70	0.63	-	OK
5	0	70	0	0	61.62	50.20	-6.54	61.84	49.85	-6.28	0.49	0.22	0.35	0.27	0.22	-0.40%	OK
6	0	40	0	0	77.34	25.06	-6.61	77.40	24.78	-6.27	0.44	0.06	0.28	0.34	0.26	-0.69%	OK
7	0	0	100	0	90.05	-6.02	93.82	90.50	-6.47	92.98	1.05	0.45	0.45	0.84	0.50	-	OK
8	0	0	70	0	91.40	-5.72	63.25	91.45	-6.34	64.54	1.43	0.05	0.62	1.29	0.50	1.14%	OK
9	0	0	40	0	93.26	-4.53	31.75	92.94	-5.12	31.18	0.88	0.33	0.59	0.57	0.67	-0.17%	OK
10	20	70	70	0	53.81	37.24	29.16	53.94	37.41	30.19	1.05	0.13	0.17	1.03	0.70	-	OK
11	40	70	70	20	42.16	22.14	16.79	42.02	22.62	16.45	0.60	0.14	0.48	0.34	0.56	-	OK
12	40	100	100	20	32.41	39.56	24.01	32.63	39.52	24.65	0.68	0.22	0.04	0.64	0.57	-	OK
13	40	100	40	20	33.04	44.09	-1.89	33.11	44.23	-2.19	0.34	0.08	0.14	0.29	0.29	-	OK
14	40	40	100	20	51.96	0.48	44.79	52.31	0.50	45.40	0.70	0.35	0.02	0.61	0.02	-	OK
15	100	40	100	20	35.09	-37.45	13.87	35.08	-37.02	13.95	0.44	0.01	0.43	0.08	0.23	-	OK
16	100	40	40	20	36.49	-27.11	-20.97	37.34	-25.77	-20.53	1.65	0.85	1.33	0.44	0.48	-	OK
17	100	100	40	20	21.35	8.93	-23.90	22.23	8.87	-23.73	0.90	0.88	0.06	0.17	0.00	-	OK
18	0	0	0	10	89.98	-1.04	-1.59	90.32	-1.08	-1.87	0.44	0.33	0.04	0.28	0.12	-1.85%	OK
19	0	0	0	20	83.75	-1.09	-1.63	83.97	-1.16	-1.82	0.30	0.22	0.07	0.20	0.05	-1.34%	OK
20	0	0	0	40	70.12	-1.05	-1.72	70.20	-1.01	-1.84	0.15	0.08	0.05	0.12	0.10	-0.70%	OK
21	0	0	0	60	54.85	-0.96	-1.00	55.65	-0.98	-0.83	0.82	0.81	0.03	0.17	0.14	-1.22%	OK
22	0	0	0	80	37.16	-0.78	-0.60	37.15	-1.21	-0.58	0.43	0.01	0.42	0.01	0.23	-0.13%	OK
23	0	0	0	100	16.35	-0.71	-0.21	16.16	-1.22	0.40	0.82	0.20	0.51	0.60	0.57	-	OK
24	100	100	0	0	24.31	21.61	-46.40	24.23	21.73	-46.36	0.15	0.08	0.12	0.04	0.12	-	OK
25	70	70	0	0	41.52	17.25	-36.74	41.64	17.37	-36.00	0.76	0.13	0.12	0.74	0.43	-	OK
26	40	40	0	0	64.49	9.56	-23.64	64.94	9.22	-22.64	1.15	0.45	0.34	1.01	0.07	-	OK
27	0	100	100	0	47.64	67.79	48.29	47.51	67.79	48.59	0.33	0.13	0.00	0.30	0.24	-	OK
28	0	70	70	0	59.28	46.67	38.17	59.25	46.42	39.42	1.28	0.03	0.25	1.25	1.12	-	OK
29	0	40	40	0	75.07	22.21	21.81	75.15	22.00	22.76	0.98	0.08	0.21	0.96	0.83	-	OK
30	100	0	100	0	50.68	-66.33	27.26	50.58	-66.22	29.15	1.90	0.10	0.11	1.89	1.78	-	OK
31	70	0	70	0	62.95	-41.05	21.27	63.13	-41.77	22.01	1.05	0.18	0.72	0.73	0.32	-	OK
32	40	0	40	0	77.88	-20.16	11.40	78.25	-19.57	12.13	1.01	0.37	0.59	0.72	0.92	-	OK
33	10	40	40	0	72.07	18.10	17.59	72.32	18.36	18.38	0.87	0.25	0.27	0.79	0.38	-	OK
34	0	40	100	0	72.15	21.40	73.70	72.28	21.10	73.54	0.36	0.13	0.30	0.16	0.25	-	OK
35	0	100	40	0	48.38	70.99	16.39	48.35	72.35	15.78	1.49	0.03	1.36	0.61	0.89	-	OK
36	40	100	0	0	38.57	55.08	-21.07	39.21	54.92	-20.94	0.67	0.63	0.15	0.14	0.07	-	OK
37	40	0	100	0	74.55	-23.95	68.15	74.76	-23.38	68.23	0.61	0.21	0.57	0.08	0.56	-	OK
38	100	0	40	0	53.03	-53.56	-20.16	53.09	-53.56	-19.85	0.32	0.06	0.01	0.31	0.29	-	OK
39	100	40	0	0	43.91	-17.90	-48.81	44.33	-17.78	-48.53	0.52	0.42	0.12	0.28	0.02	-	OK
40	0	0	0	0	96.50	-0.50	-1.10	96.05	-0.84	-1.29	0.60	0.44	0.34	0.19	0.21	-	OK
41	10	6	6	0	89.56	-1.36	-2.74	90.24	-0.95	-2.93	0.82	0.68	0.41	0.19	0.45	-	OK
42	20	12	12	0	82.95	-1.82	-3.73	83.42	-1.81	-3.33	0.62	0.47	0.01	0.40	0.18	-	OK
43	40	27	27	0	68.51	-2.84	-4.13	68.90	-2.46	-3.95	0.57	0.39	0.38	0.19	0.22	-	OK
44	60	45	45	0	52.93	-3.32	-3.42	53.88	-3.07	-3.17	1.01	0.95	0.26	0.25	0.01	-	OK
45	80	65	65	0	38.08	-4.69	-3.18	38.43	-4.40	-2.46	0.85	0.35	0.29	0.72	0.46	-	OK
46	100	85	85	0	26.75	-7.56	-3.62	26.79	-7.41	-3.01	0.63	0.05	0.15	0.61	0.50	-	OK

Color space comparison

- Reference
- Measured

Primary colors

- Reference
 - C: L*55.71 a*-38.14 b*-50.06
 - M: L*48.63 a*73.83 b*-2.88
 - Y: L*90.05 a*-6.02 b*93.82
 - K: L*16.35 a*-0.71 b*-0.21
- Measured
 - C: L*55.36 a*-37.78 b*-49.60
 - M: L*48.87 a*71.88 b*-2.18
 - Y: L*90.50 a*-6.47 b*92.98
 - K: L*16.16 a*-1.22 b*0.40



Gradation Curves

