



Print created by:	https://cielab.xyz	Measuring device:	EFI ES-2000 - M0
Last calibration:	2022_01_10	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 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	2.0 dE Patch 35	6.0	OK
Paper white	1.9 dE Patch 40	3.0	OK
Cyan	1.1 dE Patch 1	5.0	OK
Magenta	1.1 dE Patch 4	5.0	OK
Yellow	0.8 dE Patch 7	5.0	OK
Black	1.1 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	0.2 dH -	1.5	OK
Tone value diff.	2.9 % Patch 18	10.0	OK
Average CMYK patches	0.9 dCh -	2.5	OK
Maximum weighted CMY scale	1.0 dCh -	3.0	OK
Average weighted CMY scale	0.6 dCh -	1.5	OK
Maximum weighted K scale	0.6 dL -	3.0	OK
Average weighted K scale	0.4 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

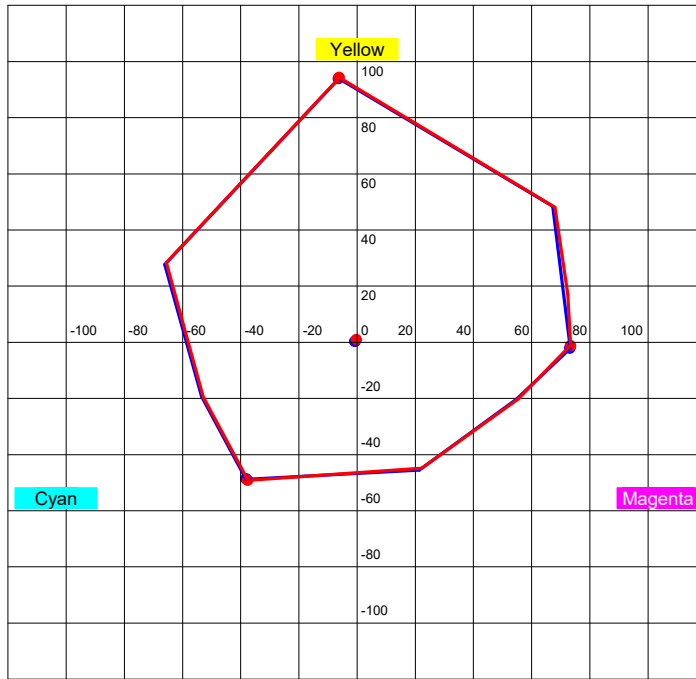
Patch ID	Reference				Measured			Color difference							Result		
	C	M	Y	K	L*	a*	b*	Delta E	dL*	da*	db*	dH*	Tone value diff.				
1	100	0	0	0	55.39	-38.14	-48.77	54.47	-37.55	-49.10	1.14	0.92	0.58	0.33	0.66	-	OK
2	70	0	0	0	67.32	-25.90	-35.72	66.91	-25.47	-35.74	0.59	0.41	0.43	0.02	0.36	-1.27%	OK
3	40	0	0	0	80.24	-13.79	-20.21	79.84	-13.29	-19.81	0.75	0.41	0.49	0.39	0.19	-2.62%	OK
4	0	100	0	0	48.35	73.28	-2.17	48.47	73.43	-1.07	1.12	0.13	0.14	1.10	1.10	-	OK
5	0	70	0	0	61.27	49.74	-5.66	61.19	50.28	-4.71	1.10	0.08	0.54	0.95	1.00	-0.79%	OK
6	0	40	0	0	76.93	24.68	-5.56	76.41	25.44	-4.92	1.12	0.52	0.76	0.64	0.78	-1.53%	OK
7	0	0	100	0	89.58	-6.28	93.95	88.91	-6.02	94.27	0.79	0.67	0.25	0.32	0.27	-	OK
8	0	0	70	0	90.92	-5.98	63.71	90.24	-6.48	65.47	1.95	0.68	0.49	1.76	0.32	0.82%	OK
9	0	0	40	0	92.78	-4.81	32.56	91.46	-5.12	32.76	1.37	1.32	0.31	0.20	0.28	0.49%	OK
10	20	70	70	0	53.50	36.86	29.58	53.71	37.40	30.86	1.41	0.20	0.55	1.28	0.65	-	OK
11	40	70	70	20	41.90	21.86	17.22	41.78	21.98	17.95	0.75	0.12	0.12	0.73	0.49	-	OK
12	40	100	100	20	32.20	39.23	24.26	31.74	39.49	24.62	0.64	0.46	0.27	0.36	0.17	-	OK
13	40	100	40	20	32.82	43.73	-1.36	32.94	44.31	-0.33	1.19	0.12	0.58	1.03	1.04	-	OK
14	40	40	100	20	51.66	0.29	45.03	51.16	0.95	44.62	0.92	0.50	0.66	0.41	0.66	-	OK
15	100	40	100	20	34.87	-37.40	14.26	33.65	-36.14	13.78	1.82	1.22	1.26	0.48	0.00	-	OK
16	100	40	40	20	36.26	-27.11	-20.19	35.95	-25.88	-19.45	1.47	0.31	1.24	0.75	0.14	-	OK
17	100	100	40	20	21.19	8.79	-23.26	20.87	8.36	-22.31	1.09	0.32	0.42	0.95	0.06	-	OK
18	0	0	0	10	89.51	-1.33	-0.46	88.99	-0.84	-0.08	0.81	0.52	0.49	0.38	0.26	-2.85%	OK
19	0	0	0	20	83.30	-1.36	-0.56	83.02	-0.89	-0.20	0.65	0.28	0.48	0.36	0.19	-2.84%	OK
20	0	0	0	40	69.73	-1.28	-0.79	69.19	-0.49	-0.41	1.03	0.54	0.80	0.38	0.15	-1.34%	OK
21	0	0	0	60	54.53	-1.15	-0.24	55.21	-0.24	-0.05	1.15	0.67	0.91	0.19	0.01	-2.04%	OK
22	0	0	0	80	36.93	-0.92	-0.03	36.39	-0.26	0.31	0.92	0.54	0.67	0.35	0.54	-0.20%	OK
23	0	0	0	100	16.21	-0.79	0.13	15.59	-0.18	0.85	1.13	0.62	0.61	0.72	0.94	-	OK
24	100	100	0	0	24.13	21.39	-45.49	24.45	22.23	-44.80	1.13	0.32	0.84	0.68	1.05	-	OK
25	70	70	0	0	41.26	17.01	-35.75	41.07	18.04	-35.32	1.13	0.19	1.03	0.43	1.12	-	OK
26	40	40	0	0	64.13	9.29	-22.55	64.58	9.96	-21.82	1.09	0.45	0.67	0.73	0.90	-	OK
27	0	100	100	0	47.36	67.28	48.45	46.97	67.97	48.11	0.86	0.38	0.69	0.34	0.68	-	OK
28	0	70	70	0	58.95	46.23	38.56	59.10	46.30	39.09	0.56	0.16	0.07	0.53	0.36	-	OK
29	0	40	40	0	74.67	21.86	22.53	75.11	21.56	23.58	1.18	0.44	0.30	1.05	0.94	-	OK
30	100	0	100	0	50.39	-66.18	27.67	49.87	-65.57	28.36	1.06	0.52	0.61	0.69	0.88	-	OK
31	70	0	70	0	62.60	-41.06	21.88	62.58	-40.80	22.38	0.56	0.02	0.26	0.50	0.56	-	OK
32	40	0	40	0	77.46	-20.31	12.27	77.63	-19.52	12.16	0.82	0.16	0.79	0.11	0.32	-	OK
33	10	40	40	0	71.68	17.76	18.33	71.93	18.10	18.06	0.50	0.24	0.34	0.27	0.43	-	OK
34	0	40	100	0	71.76	21.05	73.84	72.05	20.25	74.11	0.89	0.30	0.81	0.27	0.85	-	OK
35	0	100	40	0	48.09	70.46	16.89	47.89	72.43	17.26	2.01	0.20	1.97	0.37	0.10	-	OK
36	40	100	0	0	38.33	54.65	-20.28	38.73	55.33	-20.17	0.80	0.39	0.68	0.11	0.34	-	OK
37	40	0	100	0	74.15	-24.07	68.39	74.37	-23.64	68.73	0.59	0.22	0.43	0.34	0.52	-	OK
38	100	0	40	0	52.72	-53.48	-19.22	52.53	-52.89	-19.39	0.64	0.19	0.59	0.17	0.36	-	OK
39	100	40	0	0	43.65	-17.97	-47.67	43.39	-17.52	-47.20	0.70	0.26	0.45	0.47	0.26	-	OK
40	0	0	0	0	96.00	-0.80	0.10	94.24	-0.84	-0.48	1.85	1.76	0.04	0.58	0.56	-	OK
41	10	6	6	0	89.09	-1.64	-1.60	88.89	-1.41	-1.59	0.30	0.19	0.23	0.01	0.16	-	OK
42	20	12	12	0	82.51	-2.07	-2.65	82.20	-1.59	-2.24	0.70	0.31	0.48	0.41	0.14	-	OK
43	40	27	27	0	68.13	-3.05	-3.20	67.88	-2.15	-2.81	1.01	0.25	0.90	0.39	0.43	-	OK
44	60	45	45	0	52.63	-3.49	-2.66	53.61	-2.55	-2.16	1.45	0.99	0.95	0.50	0.20	-	OK
45	80	65	65	0	37.83	-4.82	-2.58	37.70	-3.73	-2.26	1.14	0.14	1.09	0.31	0.27	-	OK
46	100	85	85	0	26.56	-7.64	-3.14	26.39	-6.51	-2.93	1.16	0.17	1.13	0.21	0.25	-	OK

Color space comparison

- Reference
- Measured

Primary colors

- Reference
- C: $L^*55.39 \ a^*-38.14 \ b^*-48.77$
- M: $L^*48.35 \ a^*73.28 \ b^*-2.17$
- Y: $L^*89.58 \ a^*-6.28 \ b^*93.95$
- K: $L^*16.21 \ a^*-0.79 \ b^*0.13$
- Measured
- C: $L^*54.47 \ a^*-37.55 \ b^*-49.10$
- M: $L^*48.47 \ a^*73.43 \ b^*-1.07$
- Y: $L^*88.91 \ a^*-6.02 \ b^*94.27$
- K: $L^*15.59 \ a^*-0.18 \ b^*0.85$



Gradation Curves

