



Print created by:	https://cielab.xyz	Measuring device:	EFI ES-2000 - M0
Last calibration:	2024_05_23	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_05_23
Reference profile:	ISO Coated v2	Proofing substrate:	PMP5 250 FOGRA Sert
Reference data:	FOGRA 39L	Colorant:	Ultrachrome K3
Reference printing conditions:	ISO Coated v2 - FOGRA 39L	Job ID/Name	-/ ISOcoated_v2_300_eci_wpc_...
Fogra PSD Visual Assessment	original EFI 3cc		

Summary

Criteria	Difference	Tolerance	Status
Average all patches	1.0 dE -	3.0	OK
Maximum all patches	2.1 dE Patch 44	6.0	OK
Paper white	0.2 dE Patch 40	3.0	OK
Cyan	0.7 dE Patch 1	5.0	OK
Magenta	1.2 dE Patch 4	5.0	OK
Yellow	0.5 dE Patch 7	5.0	OK
Black	0.3 dE Patch 23	5.0	OK
Hue difference - CMY	0.5 dH -	2.5	OK
Hue difference - CMYK	0.5 dH -	2.5	OK
Hue difference - CMYRGB	0.8 dH -	4.0	OK
Hue diff. average gray	0.6 dH -	1.5	OK
Tone value diff.	1.9 % Patch 21	10.0	OK
Average CMYK patches	0.8 dCh -	2.5	OK
Maximum weighted CMY scale	0.9 dCh -	3.0	OK
Average weighted CMY scale	0.6 dCh -	1.5	OK
Maximum weighted K scale	1.5 dL -	3.0	OK
Average weighted K scale	0.4 dL -	1.5	OK
Maximum weighted CMY scale	1.5 dL -	3.0	OK
Average weighted CMY scale	0.7 dL -	1.5	OK

Overall Result

PASSED

Measuring data analysis

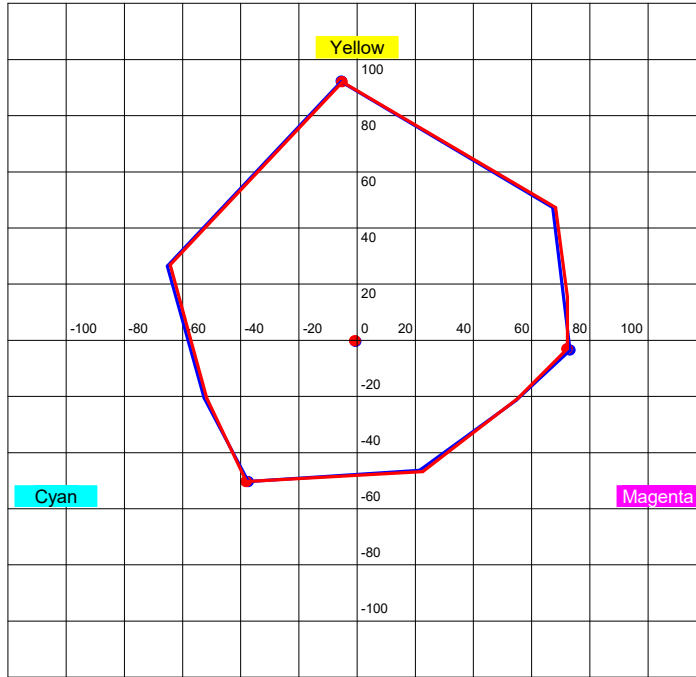
Patch ID	Reference				Measured			Color difference				Tone value diff.	Result				
	C	M	Y	K	L*	a*	b*	L*	a*	b*	Delta E			dL*	da*	db*	dH*
1	100	0	0	0	54.78	-37.36	-50.31	55.07	-38.03	-50.33	0.73	0.29	0.67	0.02	0.53	-	OK
2	70	0	0	0	66.62	-25.12	-37.43	66.80	-25.05	-37.09	0.39	0.18	0.07	0.34	0.13	-0.21%	OK
3	40	0	0	0	79.98	-12.95	-22.17	80.31	-12.38	-21.98	0.69	0.33	0.57	0.19	0.40	-1.00%	OK
4	0	100	0	0	47.80	73.22	-3.49	48.30	72.28	-2.94	1.20	0.49	0.94	0.54	0.50	-	OK
5	0	70	0	0	60.61	49.91	-7.20	61.68	49.39	-7.15	1.19	1.07	0.52	0.05	0.02	-1.22%	OK
6	0	40	0	0	76.50	25.18	-7.39	77.12	24.90	-7.10	0.74	0.62	0.28	0.28	0.20	-1.15%	OK
7	0	0	100	0	89.78	-5.47	92.12	90.08	-5.08	92.02	0.50	0.29	0.38	0.10	0.38	-	OK
8	0	0	70	0	91.19	-5.14	61.78	90.71	-4.82	61.92	0.59	0.48	0.33	0.14	0.34	0.85%	OK
9	0	0	40	0	93.15	-3.96	30.52	92.90	-4.21	30.23	0.46	0.25	0.25	0.29	0.29	0.36%	OK
10	20	70	70	0	52.90	37.09	28.30	53.03	37.21	28.29	0.18	0.12	0.12	0.01	0.08	-	OK
11	40	70	70	20	41.41	22.11	16.09	41.52	22.31	16.82	0.76	0.11	0.19	0.73	0.47	-	OK
12	40	100	100	20	31.77	39.32	23.35	32.68	39.88	24.82	1.82	0.91	0.56	1.47	0.96	-	OK
13	40	100	40	20	32.37	43.75	-2.34	33.39	44.53	-2.05	1.32	1.03	0.78	0.29	0.33	-	OK
14	40	40	100	20	51.13	0.77	43.88	51.43	1.19	43.27	0.80	0.30	0.42	0.61	0.43	-	OK
15	100	40	100	20	34.47	-36.88	13.37	34.44	-36.19	13.37	0.69	0.03	0.69	0.00	0.23	-	OK
16	100	40	40	20	35.84	-26.66	-21.25	36.00	-25.47	-20.96	1.24	0.16	1.19	0.29	0.52	-	OK
17	100	100	40	20	20.88	8.95	-24.08	21.09	9.06	-23.72	0.43	0.22	0.12	0.37	0.24	-	OK
18	0	0	0	10	89.72	-0.62	-2.42	89.90	-0.30	-2.09	0.49	0.18	0.32	0.33	0.25	-0.50%	OK
19	0	0	0	20	83.15	-0.70	-2.42	83.18	-0.31	-1.89	0.66	0.03	0.39	0.53	0.26	-0.11%	OK
20	0	0	0	40	68.96	-0.68	-2.44	69.45	-0.22	-2.49	0.67	0.49	0.46	0.05	0.47	-0.77%	OK
21	0	0	0	60	53.89	-0.66	-1.61	55.64	0.20	-2.10	2.01	1.75	0.85	0.49	0.91	-1.88%	OK
22	0	0	0	80	36.45	-0.56	-1.05	37.21	-0.37	-1.32	0.83	0.76	0.20	0.27	0.28	-0.43%	OK
23	0	0	0	100	15.93	-0.58	-0.49	16.10	-0.77	-0.32	0.31	0.18	0.19	0.17	0.24	-	OK
24	100	100	0	0	23.90	21.44	-46.33	24.77	22.54	-46.79	1.48	0.86	1.10	0.46	0.79	-	OK
25	70	70	0	0	40.77	17.29	-36.91	40.77	18.49	-36.13	1.43	0.00	1.19	0.78	1.41	-	OK
26	40	40	0	0	63.44	9.77	-24.16	64.44	10.27	-23.10	1.54	1.00	0.50	1.06	0.87	-	OK
27	0	100	100	0	46.82	67.26	47.32	46.72	68.26	47.33	1.01	0.10	1.00	0.01	0.56	-	OK
28	0	70	70	0	58.30	46.47	37.21	58.35	46.66	37.39	0.27	0.05	0.19	0.18	0.02	-	OK
29	0	40	40	0	74.14	22.32	20.79	74.41	22.53	21.70	0.97	0.27	0.21	0.90	0.51	-	OK
30	100	0	100	0	49.80	-65.21	26.40	50.18	-64.31	26.94	1.12	0.38	0.90	0.54	0.84	-	OK
31	70	0	70	0	61.92	-40.21	20.45	61.79	-40.52	21.13	0.76	0.13	0.31	0.68	0.46	-	OK
32	40	0	40	0	77.08	-19.48	10.47	77.81	-18.77	10.20	1.05	0.73	0.71	0.27	0.10	-	OK
33	10	40	40	0	71.02	18.27	16.65	71.39	18.70	17.01	0.67	0.38	0.43	0.36	0.03	-	OK
34	0	40	100	0	71.04	21.56	72.31	71.51	21.52	71.69	0.78	0.47	0.04	0.62	0.13	-	OK
35	0	100	40	0	47.55	70.44	15.67	47.76	72.30	15.38	1.89	0.21	1.86	0.29	0.68	-	OK
36	40	100	0	0	37.86	54.68	-21.35	39.10	55.11	-20.80	1.42	1.24	0.43	0.55	0.66	-	OK
37	40	0	100	0	73.59	-23.25	66.82	73.78	-22.59	65.72	1.30	0.19	0.67	1.09	0.27	-	OK
38	100	0	40	0	52.13	-52.62	-20.58	52.59	-51.74	-20.55	0.99	0.46	0.88	0.03	0.29	-	OK
39	100	40	0	0	43.16	-17.47	-48.95	43.77	-17.43	-48.26	0.92	0.61	0.04	0.69	0.19	-	OK
40	0	0	0	0	96.50	-0.01	-2.00	96.47	-0.05	-2.16	0.17	0.03	0.04	0.16	0.04	-	OK
41	10	6	6	0	89.28	-0.87	-3.63	89.72	-0.46	-3.48	0.62	0.43	0.41	0.14	0.38	-	OK
42	20	12	12	0	82.36	-1.37	-4.58	82.66	-0.78	-4.06	0.84	0.30	0.59	0.52	0.45	-	OK
43	40	27	27	0	67.40	-2.43	-4.86	68.28	-1.54	-5.12	1.28	0.87	0.89	0.27	0.93	-	OK
44	60	45	45	0	52.03	-2.97	-4.00	53.85	-1.96	-3.96	2.08	1.81	1.01	0.04	0.84	-	OK
45	80	65	65	0	37.37	-4.39	-3.62	38.55	-3.71	-3.92	1.39	1.18	0.68	0.30	0.68	-	OK
46	100	85	85	0	26.20	-7.28	-3.94	27.05	-6.33	-3.97	1.28	0.84	0.95	0.03	0.51	-	OK

Color space comparison

- Reference
- Measured

Primary colors

- Reference
 - C: L*54.78 a*-37.36 b*-50.31
 - M: L*47.80 a*73.22 b*-3.49
 - Y: L*89.78 a*-5.47 b*92.12
 - K: L*15.93 a*-0.58 b*-0.49
- Measured
 - C: L*55.07 a*-38.03 b*-50.33
 - M: L*48.30 a*72.28 b*-2.94
 - Y: L*90.08 a*-5.08 b*92.02
 - K: L*16.10 a*-0.77 b*-0.32



Gradation Curves

