



<b>Print created by:</b>	https://cielab.xyz	<b>Measuring device:</b>	EFI ES-2000 - M0
<b>Last calibration:</b>	2023_05_08	<b>Measurement conditions:</b>	D50 2gr M0
<b>Proofing system:</b>	EFI 7	<b>Measuring underlay:</b>	White Backibg
<b>Control strip:</b>	Ugra Fogra-MediaWedge V2.2a	<b>Printer:</b>	Epson
<b>Delta E format:</b>	dE CIE76	<b>Proof profile:</b>	GMG 250 Proofing Paper 2023_05
<b>Reference profile:</b>	ISO Coated v2	<b>Proofing substrate:</b>	GMG Proofing Paper Semimatt
<b>Reference data:</b>	FOGRA 39L	<b>Colorant:</b>	Ultrachrome K3
<b>Reference printing conditions:</b>	ISO Coated v2	<b>Job ID/Name</b>	-/ ISOcoated_v2_300_eci_WP_...
<b>Fogra PSD Visual Assessment</b>	-		

## Summary

Criteria	Difference	Tolerance	Status
Average all patches	1.1 dE -	3.0	OK
Maximum all patches	2.9 dE Patch 37	6.0	OK
Paper white	0.6 dE Patch 40	3.0	OK
Cyan	1.3 dE Patch 1	5.0	OK
Magenta	1.2 dE Patch 4	5.0	OK
Yellow	1.2 dE Patch 7	5.0	OK
Black	0.6 dE Patch 23	5.0	OK
Hue difference - CMY	0.8 dH -	2.5	OK
Hue difference - CMYK	0.8 dH -	2.5	OK
Hue difference - CMYRGB	1.1 dH -	4.0	OK
Hue diff. average gray	0.5 dH -	1.5	OK
Tone value diff.	1.8 % Patch 8	10.0	OK
Average CMYK patches	0.7 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	1.0 dL -	3.0	OK
Average weighted K scale	0.3 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

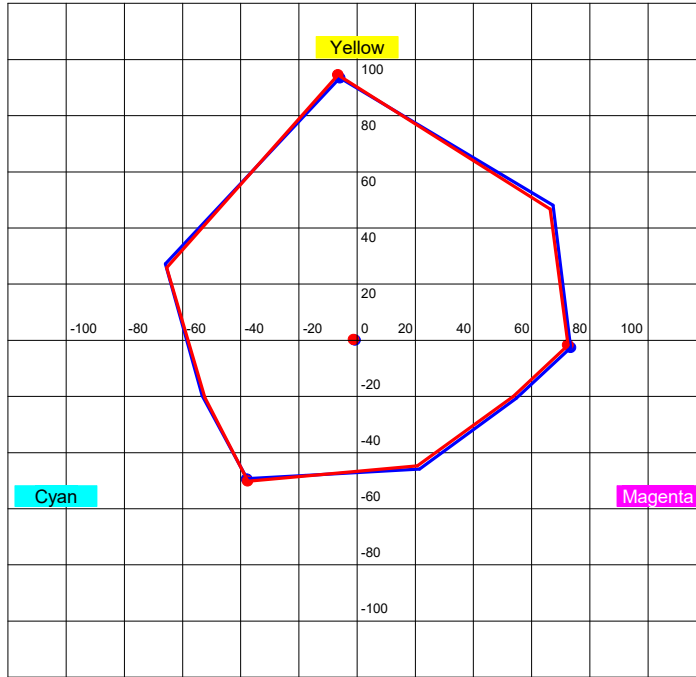
Patch ID	Reference				Measured			Delta E	Color difference				Tone value diff.	Result			
	C	M	Y	K	L*	a*	b*		dL*	da*	db*	dH*					
1	100	0	0	0	55.26	-37.90	-49.31	54.30	-37.56	-50.17	1.33	0.96	0.34	0.86	0.79	-	OK
2	70	0	0	0	67.17	-25.65	-36.31	67.33	-25.38	-36.71	0.51	0.16	0.27	0.40	0.45	-0.93%	OK
3	40	0	0	0	80.07	-13.51	-20.84	79.92	-13.25	-21.26	0.52	0.15	0.26	0.41	0.44	0.06%	OK
4	0	100	0	0	48.23	73.37	-2.58	48.57	72.54	-1.76	1.22	0.34	0.83	0.81	0.79	-	OK
5	0	70	0	0	61.14	49.89	-6.16	60.48	50.30	-5.75	0.88	0.66	0.41	0.40	0.45	1.44%	OK
6	0	40	0	0	76.76	24.89	-6.15	76.90	25.19	-5.67	0.58	0.14	0.30	0.48	0.53	0.21%	OK
7	0	0	100	0	89.39	-5.99	93.46	89.33	-6.55	94.52	1.20	0.07	0.56	1.06	0.49	-	OK
8	0	0	70	0	90.73	-5.69	63.16	90.41	-5.67	65.53	2.39	0.32	0.02	2.37	0.23	1.77%	OK
9	0	0	40	0	92.58	-4.51	31.95	92.39	-4.60	31.36	0.63	0.19	0.09	0.59	0.17	0.19%	OK
10	20	70	70	0	53.38	37.00	29.20	53.33	36.70	29.49	0.42	0.05	0.30	0.29	0.41	-	OK
11	40	70	70	20	41.80	21.99	16.89	40.88	21.45	17.12	1.09	0.92	0.54	0.23	0.52	-	OK
12	40	100	100	20	32.11	39.31	24.00	31.02	38.94	23.67	1.20	1.09	0.36	0.33	0.09	-	OK
13	40	100	40	20	32.73	43.81	-1.67	32.15	42.87	-1.52	1.11	0.59	0.94	0.14	0.11	-	OK
14	40	40	100	20	51.54	0.47	44.69	50.52	0.39	44.55	1.03	1.01	0.08	0.15	0.07	-	OK
15	100	40	100	20	34.77	-37.22	13.97	32.68	-37.02	13.32	2.20	2.10	0.20	0.64	0.54	-	OK
16	100	40	40	20	36.16	-26.94	-20.56	35.10	-26.29	-20.22	1.29	1.06	0.65	0.34	0.12	-	OK
17	100	100	40	20	21.12	8.88	-23.53	20.60	8.75	-22.51	1.15	0.53	0.12	1.03	0.25	-	OK
18	0	0	0	10	89.32	-1.04	-1.12	89.43	-0.30	-1.19	0.75	0.10	0.74	0.07	0.68	0.22%	OK
19	0	0	0	20	83.13	-1.09	-1.18	83.15	-0.56	-0.94	0.58	0.02	0.54	0.25	0.28	0.33%	OK
20	0	0	0	40	69.58	-1.05	-1.33	69.29	-0.98	-1.34	0.30	0.29	0.07	0.01	0.06	0.66%	OK
21	0	0	0	60	54.41	-0.96	-0.68	55.06	-0.54	-0.62	0.78	0.66	0.42	0.06	0.23	-0.65%	OK
22	0	0	0	80	36.83	-0.78	-0.36	35.08	-0.66	0.03	1.80	1.75	0.12	0.39	0.35	1.00%	OK
23	0	0	0	100	16.15	-0.71	-0.07	15.75	-1.08	0.23	0.62	0.40	0.38	0.30	0.27	-	OK
24	100	100	0	0	24.05	21.47	-45.82	25.04	20.67	-44.75	1.66	0.99	0.81	1.06	0.28	-	OK
25	70	70	0	0	41.16	17.14	-36.17	41.02	17.25	-35.20	0.99	0.13	0.11	0.97	0.52	-	OK
26	40	40	0	0	63.99	9.49	-23.09	63.84	9.75	-22.48	0.68	0.15	0.25	0.60	0.47	-	OK
27	0	100	100	0	47.24	67.37	48.14	47.91	66.38	46.77	1.82	0.66	0.99	1.38	0.55	-	OK
28	0	70	70	0	58.81	46.38	38.16	58.50	46.53	38.68	0.62	0.31	0.15	0.52	0.31	-	OK
29	0	40	40	0	74.50	22.07	22.00	74.97	22.53	22.44	0.79	0.47	0.46	0.44	0.02	-	OK
30	100	0	100	0	50.27	-65.93	27.30	48.78	-65.43	25.92	2.09	1.48	0.50	1.39	1.10	-	OK
31	70	0	70	0	62.46	-40.80	21.43	62.30	-40.02	20.69	1.09	0.15	0.78	0.74	0.30	-	OK
32	40	0	40	0	77.30	-20.04	11.71	77.41	-19.51	10.76	1.09	0.11	0.52	0.95	0.57	-	OK
33	10	40	40	0	71.53	17.98	17.82	71.68	18.46	18.08	0.57	0.16	0.49	0.26	0.16	-	OK
34	0	40	100	0	71.60	21.26	73.43	71.44	21.70	70.61	2.86	0.16	0.44	2.82	1.23	-	OK
35	0	100	40	0	47.98	70.54	16.52	48.13	69.92	16.42	0.65	0.15	0.63	0.10	0.04	-	OK
36	40	100	0	0	38.23	54.73	-20.66	38.13	53.72	-20.00	1.21	0.11	1.02	0.66	0.26	-	OK
37	40	0	100	0	73.99	-23.81	67.95	74.26	-23.47	65.10	2.88	0.27	0.34	2.85	0.63	-	OK
38	100	0	40	0	52.60	-53.23	-19.68	51.78	-52.33	-20.24	1.34	0.82	0.90	0.56	0.84	-	OK
39	100	40	0	0	43.54	-17.79	-48.13	43.57	-16.10	-46.52	2.33	0.03	1.69	1.61	1.05	-	OK
40	0	0	0	0	95.80	-0.50	-0.60	96.01	-0.59	-1.11	0.56	0.21	0.09	0.51	0.20	-	OK
41	10	6	6	0	88.90	-1.35	-2.25	89.03	-0.74	-2.64	0.74	0.13	0.61	0.38	0.71	-	OK
42	20	12	12	0	82.33	-1.81	-3.27	82.53	-1.22	-3.49	0.66	0.20	0.59	0.21	0.63	-	OK
43	40	27	27	0	67.99	-2.83	-3.73	67.67	-2.16	-3.67	0.74	0.32	0.67	0.06	0.52	-	OK
44	60	45	45	0	52.50	-3.31	-3.09	52.98	-2.30	-2.55	1.24	0.48	1.01	0.55	0.33	-	OK
45	80	65	65	0	37.74	-4.67	-2.91	36.23	-4.37	-2.20	1.70	1.51	1.30	0.71	0.47	-	OK
46	100	85	85	0	26.48	-7.51	-3.40	26.04	-7.11	-3.14	0.65	0.44	0.40	0.27	0.08	-	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\*-37.56 b\*-50.17
  - M: L\*48.57 a\*72.54 b\*-1.76
  - Y: L\*89.33 a\*-6.55 b\*94.52
  - K: L\*15.75 a\*-1.08 b\*0.23



## Gradation Curves

