



<b>Print created by:</b>	https://cielab.xyz	<b>Measuring device:</b>	EFI ES-2000 - M0
<b>Last calibration:</b>	2023_08_15	<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_08
<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	1.0 dE -	3.0	OK
Maximum all patches	2.4 dE Patch 4	6.0	OK
Paper white	0.1 dE Patch 40	3.0	OK
Cyan	1.0 dE Patch 1	5.0	OK
Magenta	2.4 dE Patch 4	5.0	OK
Yellow	0.9 dE Patch 7	5.0	OK
Black	0.8 dE Patch 23	5.0	OK
Hue difference - CMY	2.2 dH -	2.5	OK
Hue difference - CMYK	2.2 dH -	2.5	OK
Hue difference - CMYRGB	2.2 dH -	4.0	OK
Hue diff. average gray	0.3 dH -	1.5	OK
Tone value diff.	1.3 % Patch 3	10.0	OK
Average CMYK patches	0.9 dCh -	2.5	OK
Maximum weighted CMY scale	1.4 dCh -	3.0	OK
Average weighted CMY scale	0.8 dCh -	1.5	OK
Maximum weighted K scale	0.3 dL -	3.0	OK
Average weighted K scale	0.1 dL -	1.5	OK
Maximum weighted CMY scale	0.2 dL -	3.0	OK
Average weighted CMY scale	0.1 dL -	1.5	OK

## Overall Result

**PASSED**

## Measuring data analysis

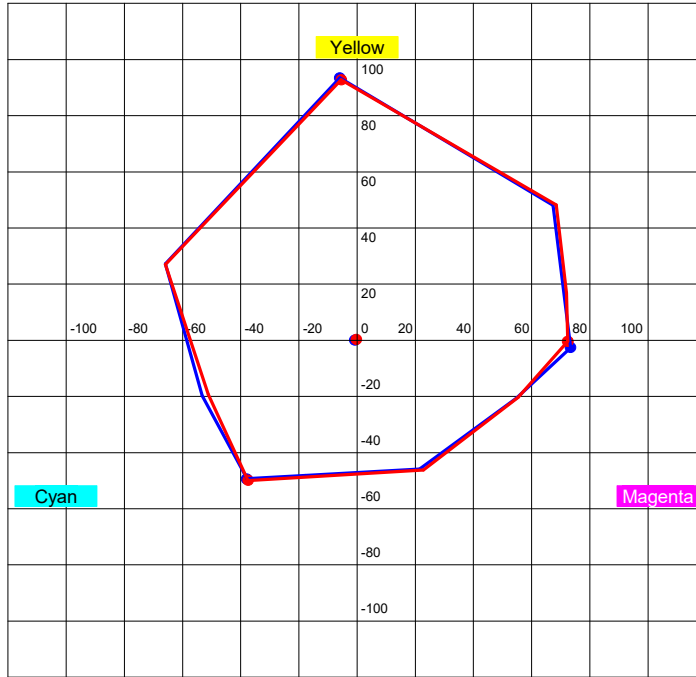
Patch ID	Reference				Measured			Color difference				Tone value diff.	Result				
	C	M	Y	K	L*	a*	b*	Delta E	dL*	da*	db*			dH*			
1	100	0	0	0	55.26	-37.90	-49.31	54.57	-37.52	-49.95	1.01	0.69	0.39	0.64	0.69	-	OK
2	70	0	0	0	67.17	-25.65	-36.31	67.03	-24.97	-36.32	0.69	0.14	0.68	0.01	0.56	-0.45%	OK
3	40	0	0	0	80.07	-13.51	-20.84	80.40	-12.77	-20.85	0.81	0.33	0.75	0.00	0.63	-1.30%	OK
4	0	100	0	0	48.23	73.37	-2.58	48.47	72.37	-0.37	2.44	0.24	0.99	2.20	2.18	-	OK
5	0	70	0	0	61.14	49.89	-6.16	61.58	50.53	-6.36	0.80	0.44	0.65	0.21	0.12	-0.45%	OK
6	0	40	0	0	76.76	24.89	-6.15	76.97	25.53	-5.56	0.90	0.21	0.63	0.59	0.72	-0.23%	OK
7	0	0	100	0	89.39	-5.99	93.46	89.13	-5.49	92.79	0.88	0.27	0.50	0.67	0.46	-	OK
8	0	0	70	0	90.73	-5.69	63.16	90.43	-5.83	63.89	0.80	0.30	0.14	0.73	0.07	0.92%	OK
9	0	0	40	0	92.58	-4.51	31.95	92.23	-4.35	32.07	0.40	0.35	0.16	0.12	0.17	0.95%	OK
10	20	70	70	0	53.38	37.00	29.20	52.92	37.72	29.62	0.95	0.46	0.72	0.42	0.11	-	OK
11	40	70	70	20	41.80	21.99	16.89	41.12	22.04	16.81	0.69	0.68	0.05	0.09	0.10	-	OK
12	40	100	100	20	32.11	39.31	24.00	32.30	39.13	24.92	0.96	0.19	0.18	0.92	0.87	-	OK
13	40	100	40	20	32.73	43.81	-1.67	32.77	43.73	-0.36	1.31	0.03	0.08	1.30	1.30	-	OK
14	40	40	100	20	51.54	0.47	44.69	51.35	0.77	44.05	0.73	0.19	0.30	0.64	0.31	-	OK
15	100	40	100	20	34.77	-37.22	13.97	33.94	-36.72	13.79	0.99	0.83	0.50	0.18	0.01	-	OK
16	100	40	40	20	36.16	-26.94	-20.56	35.64	-25.65	-20.42	1.40	0.53	1.29	0.14	0.68	-	OK
17	100	100	40	20	21.12	8.88	-23.53	20.94	9.11	-22.87	0.72	0.18	0.23	0.66	0.46	-	OK
18	0	0	0	10	89.32	-1.04	-1.12	89.39	-0.47	-0.55	0.81	0.07	0.57	0.56	0.05	-0.05%	OK
19	0	0	0	20	83.13	-1.09	-1.18	83.06	-0.57	-0.42	0.92	0.07	0.52	0.76	0.20	0.23%	OK
20	0	0	0	40	69.58	-1.05	-1.33	69.48	-0.50	-0.77	0.79	0.10	0.55	0.56	0.12	0.16%	OK
21	0	0	0	60	54.41	-0.96	-0.68	54.78	0.06	-0.27	1.16	0.38	1.02	0.41	0.63	-0.45%	OK
22	0	0	0	80	36.83	-0.78	-0.36	37.17	-0.62	0.21	0.68	0.34	0.16	0.58	0.56	-0.29%	OK
23	0	0	0	100	16.15	-0.71	-0.07	15.70	-0.16	0.25	0.78	0.45	0.55	0.32	0.48	-	OK
24	100	100	0	0	24.05	21.47	-45.82	23.64	22.78	-46.18	1.42	0.42	1.30	0.36	1.02	-	OK
25	70	70	0	0	41.16	17.14	-36.17	40.01	18.44	-35.44	1.88	1.14	1.30	0.73	1.49	-	OK
26	40	40	0	0	63.99	9.49	-23.09	63.97	10.42	-22.01	1.43	0.02	0.93	1.08	1.29	-	OK
27	0	100	100	0	47.24	67.37	48.14	47.09	68.47	48.23	1.11	0.15	1.10	0.08	0.57	-	OK
28	0	70	70	0	58.81	46.38	38.16	58.25	46.59	37.98	0.62	0.56	0.21	0.18	0.27	-	OK
29	0	40	40	0	74.50	22.07	22.00	74.10	22.68	22.70	1.01	0.40	0.61	0.70	0.06	-	OK
30	100	0	100	0	50.27	-65.93	27.30	49.83	-65.96	27.03	0.52	0.44	0.04	0.27	0.27	-	OK
31	70	0	70	0	62.46	-40.80	21.43	61.80	-40.56	22.50	1.28	0.66	0.24	1.07	1.06	-	OK
32	40	0	40	0	77.30	-20.04	11.71	77.33	-19.53	12.49	0.93	0.04	0.51	0.78	0.93	-	OK
33	10	40	40	0	71.53	17.98	17.82	71.45	18.80	18.35	0.98	0.08	0.82	0.53	0.20	-	OK
34	0	40	100	0	71.60	21.26	73.43	71.34	21.60	73.21	0.48	0.26	0.33	0.22	0.38	-	OK
35	0	100	40	0	47.98	70.54	16.52	47.78	71.96	16.91	1.49	0.20	1.41	0.39	0.05	-	OK
36	40	100	0	0	38.23	54.73	-20.66	38.15	55.31	-20.27	0.70	0.09	0.58	0.39	0.56	-	OK
37	40	0	100	0	73.99	-23.81	67.95	73.86	-23.47	69.07	1.18	0.13	0.33	1.12	0.68	-	OK
38	100	0	40	0	52.60	-53.23	-19.68	52.34	-51.13	-19.32	2.15	0.26	2.11	0.36	0.40	-	OK
39	100	40	0	0	43.54	-17.79	-48.13	43.54	-16.72	-47.97	1.08	0.00	1.07	0.16	0.95	-	OK
40	0	0	0	0	95.80	-0.50	-0.60	95.86	-0.41	-0.64	0.12	0.06	0.09	0.04	0.09	-	OK
41	10	6	6	0	88.90	-1.35	-2.25	88.99	-0.90	-1.87	0.60	0.10	0.45	0.38	0.22	-	OK
42	20	12	12	0	82.33	-1.81	-3.27	82.46	-1.20	-2.30	1.15	0.13	0.61	0.97	0.07	-	OK
43	40	27	27	0	67.99	-2.83	-3.73	68.18	-2.18	-3.38	0.76	0.20	0.64	0.35	0.32	-	OK
44	60	45	45	0	52.50	-3.31	-3.09	52.54	-1.70	-2.56	1.70	0.04	1.61	0.54	0.86	-	OK
45	80	65	65	0	37.74	-4.67	-2.91	38.13	-4.01	-2.41	0.92	0.39	0.66	0.50	0.08	-	OK
46	100	85	85	0	26.48	-7.51	-3.40	26.22	-7.02	-3.06	0.65	0.26	0.49	0.34	0.11	-	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\*54.57 a\*-37.52 b\*-49.95
  - M: L\*48.47 a\*72.37 b\*-0.37
  - Y: L\*89.13 a\*-5.49 b\*92.79
  - K: L\*15.70 a\*-0.16 b\*0.25



## Gradation Curves

