



<b>Print created by:</b>	https://cielab.xyz	<b>Measuring device:</b>	EFI ES-2000 - M0
<b>Last calibration:</b>	2023_11_24 granularity 41	<b>Measurement conditions:</b>	D50 2gr M0
<b>Proofing system:</b>	EFI 7	<b>Measuring underlay:</b>	White Backing
<b>Control strip:</b>	Ugra Fogra-MediaWedge V2.2a	<b>Printer:</b>	Epson
<b>Delta E format:</b>	dE CIE76	<b>Proof profile:</b>	PMP5 250 2023_11_24
<b>Reference profile:</b>	ISO Coated v2	<b>Proofing substrate:</b>	PMP5 250 FOGRA Sert
<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>	DLP granularity 41		

## Summary

Criteria	Difference	Tolerance	Status
Average all patches	0.7 dE -	3.0	OK
Maximum all patches	1.7 dE Patch 30	6.0	OK
Paper white	0.3 dE Patch 40	3.0	OK
Cyan	0.4 dE Patch 1	5.0	OK
Magenta	1.6 dE Patch 4	5.0	OK
Yellow	0.6 dE Patch 7	5.0	OK
Black	0.5 dE Patch 23	5.0	OK
Hue difference - CMY	0.7 dH -	2.5	OK
Hue difference - CMYK	0.7 dH -	2.5	OK
Hue difference - CMYRGB	1.2 dH -	4.0	OK
Hue diff. average gray	0.2 dH -	1.5	OK
Tone value diff.	1.4 % Patch 21	10.0	OK
Average CMYK patches	0.6 dCh -	2.5	OK
Maximum weighted CMY scale	0.9 dCh -	3.0	OK
Average weighted CMY scale	0.4 dCh -	1.5	OK
Maximum weighted K scale	0.9 dL -	3.0	OK
Average weighted K scale	0.2 dL -	1.5	OK
Maximum weighted CMY scale	1.1 dL -	3.0	OK
Average weighted CMY scale	0.4 dL -	1.5	OK

## Overall Result

**PASSED**

## Measuring data analysis

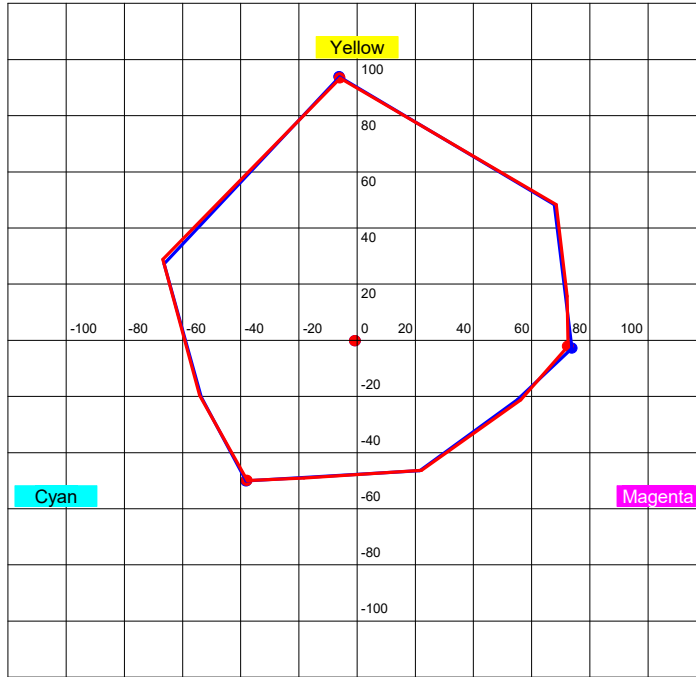
Patch ID	Reference				Measured			Color difference				Tone value diff.	Result				
	C	M	Y	K	L*	a*	b*	Delta E	dL*	da*	db*			dH*			
1	100	0	0	0	55.71	-38.14	-50.06	55.63	-37.78	-49.94	0.39	0.07	0.36	0.12	0.21	-	OK
2	70	0	0	0	67.69	-25.81	-36.99	67.67	-25.74	-36.85	0.16	0.03	0.07	0.14	0.03	-0.11%	OK
3	40	0	0	0	80.67	-13.59	-21.45	80.89	-13.18	-21.16	0.55	0.21	0.41	0.29	0.19	-1.04%	OK
4	0	100	0	0	48.63	73.83	-2.88	48.96	72.52	-2.10	1.56	0.33	1.31	0.78	0.73	-	OK
5	0	70	0	0	61.62	50.20	-6.54	61.65	50.43	-6.70	0.28	0.04	0.23	0.16	0.13	0.13%	OK
6	0	40	0	0	77.34	25.06	-6.61	77.27	24.97	-6.45	0.20	0.07	0.09	0.15	0.13	0.05%	OK
7	0	0	100	0	90.05	-6.02	93.82	90.29	-5.85	93.34	0.56	0.24	0.17	0.48	0.14	-	OK
8	0	0	70	0	91.40	-5.72	63.25	91.20	-5.50	64.52	1.30	0.20	0.22	1.26	0.33	1.20%	OK
9	0	0	40	0	93.26	-4.53	31.75	92.79	-4.86	31.40	0.67	0.48	0.33	0.35	0.38	0.30%	OK
10	20	70	70	0	53.81	37.24	29.16	53.72	37.58	29.45	0.46	0.09	0.35	0.29	0.01	-	OK
11	40	70	70	20	42.16	22.14	16.79	41.81	22.79	17.23	0.86	0.35	0.65	0.44	0.04	-	OK
12	40	100	100	20	32.41	39.56	24.01	32.28	39.57	24.13	0.18	0.13	0.01	0.12	0.10	-	OK
13	40	100	40	20	33.04	44.09	-1.89	33.41	44.25	-1.75	0.43	0.38	0.16	0.14	0.14	-	OK
14	40	40	100	20	51.96	0.48	44.79	51.72	0.87	44.58	0.50	0.24	0.39	0.22	0.40	-	OK
15	100	40	100	20	35.09	-37.45	13.87	34.52	-37.07	13.51	0.77	0.57	0.38	0.36	0.20	-	OK
16	100	40	40	20	36.49	-27.11	-20.97	36.14	-26.71	-21.25	0.60	0.35	0.40	0.28	0.47	-	OK
17	100	100	40	20	21.35	8.93	-23.90	20.98	9.55	-24.41	0.88	0.37	0.62	0.51	0.40	-	OK
18	0	0	0	10	89.98	-1.04	-1.59	90.01	-0.76	-1.50	0.30	0.03	0.28	0.09	0.20	-0.53%	OK
19	0	0	0	20	83.75	-1.09	-1.63	83.81	-1.03	-1.62	0.09	0.06	0.06	0.00	0.05	-0.54%	OK
20	0	0	0	40	70.12	-1.05	-1.72	70.20	-0.85	-1.39	0.39	0.09	0.21	0.33	0.00	-0.44%	OK
21	0	0	0	60	54.85	-0.96	-1.00	55.93	-0.43	-0.25	1.42	1.08	0.52	0.75	0.23	-1.40%	OK
22	0	0	0	80	37.16	-0.78	-0.60	36.80	-0.69	-0.42	0.41	0.36	0.09	0.17	0.09	0.08%	OK
23	0	0	0	100	16.35	-0.71	-0.21	15.85	-0.60	-0.13	0.52	0.50	0.11	0.08	0.05	-	OK
24	100	100	0	0	24.31	21.61	-46.40	24.77	22.09	-46.34	0.67	0.46	0.48	0.06	0.46	-	OK
25	70	70	0	0	41.52	17.25	-36.74	41.98	17.72	-36.91	0.68	0.47	0.47	0.17	0.35	-	OK
26	40	40	0	0	64.49	9.56	-23.64	65.19	10.04	-22.63	1.32	0.71	0.48	1.01	0.84	-	OK
27	0	100	100	0	47.64	67.79	48.29	47.79	68.46	48.39	0.69	0.15	0.66	0.10	0.30	-	OK
28	0	70	70	0	59.28	46.67	38.17	59.58	46.32	38.51	0.57	0.30	0.35	0.34	0.49	-	OK
29	0	40	40	0	75.07	22.21	21.81	75.35	22.04	21.82	0.33	0.28	0.17	0.02	0.14	-	OK
30	100	0	100	0	50.68	-66.33	27.26	50.99	-66.83	28.81	1.66	0.31	0.50	1.55	1.24	-	OK
31	70	0	70	0	62.95	-41.05	21.27	63.20	-40.80	21.45	0.40	0.25	0.26	0.18	0.27	-	OK
32	40	0	40	0	77.88	-20.16	11.40	78.37	-19.47	11.63	0.88	0.49	0.69	0.23	0.55	-	OK
33	10	40	40	0	72.07	18.10	17.59	72.79	18.25	17.40	0.76	0.72	0.15	0.20	0.25	-	OK
34	0	40	100	0	72.15	21.40	73.70	72.63	20.89	73.02	0.98	0.49	0.51	0.67	0.31	-	OK
35	0	100	40	0	48.38	70.99	16.39	48.23	72.20	15.72	1.39	0.15	1.21	0.67	0.91	-	OK
36	40	100	0	0	38.57	55.08	-21.07	39.28	56.18	-21.20	1.32	0.70	1.10	0.13	0.27	-	OK
37	40	0	100	0	74.55	-23.95	68.15	74.92	-23.17	68.84	1.11	0.37	0.78	0.68	0.96	-	OK
38	100	0	40	0	53.03	-53.56	-20.16	53.43	-54.14	-19.67	0.86	0.40	0.58	0.49	0.66	-	OK
39	100	40	0	0	43.91	-17.90	-48.81	44.07	-18.29	-49.04	0.48	0.16	0.40	0.22	0.29	-	OK
40	0	0	0	0	96.50	-0.50	-1.10	96.31	-0.63	-0.95	0.27	0.19	0.13	0.15	0.18	-	OK
41	10	6	6	0	89.56	-1.36	-2.74	89.93	-1.09	-2.56	0.49	0.37	0.27	0.18	0.17	-	OK
42	20	12	12	0	82.95	-1.82	-3.73	83.26	-1.60	-3.01	0.81	0.31	0.21	0.72	0.14	-	OK
43	40	27	27	0	68.51	-2.84	-4.13	68.78	-2.52	-4.10	0.42	0.27	0.32	0.03	0.25	-	OK
44	60	45	45	0	52.93	-3.32	-3.42	54.20	-2.75	-2.58	1.63	1.27	0.58	0.84	0.19	-	OK
45	80	65	65	0	38.08	-4.69	-3.18	38.31	-4.36	-2.88	0.50	0.23	0.33	0.30	0.06	-	OK
46	100	85	85	0	26.75	-7.56	-3.62	26.88	-7.09	-3.14	0.68	0.13	0.47	0.48	0.24	-	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\*55.63 a\*-37.78 b\*-49.94
  - M: L\*48.96 a\*72.52 b\*-2.10
  - Y: L\*90.29 a\*-5.85 b\*93.34
  - K: L\*15.85 a\*-0.60 b\*-0.13



## Gradation Curves

