



<b>Print created by:</b>	https://cielab.xyz	<b>Measuring device:</b>	EFI ES-2000 - M0
<b>Last calibration:</b>	2023_10_10 (3cc granularity 51)	<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>	PMP Semimatt 2023_10
<b>Reference profile:</b>	ISO Coated v2	<b>Proofing substrate:</b>	PMP Semimatt 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>	SuperFine_Optimized_PMPS_gr51.3cc		

## Summary

Criteria	Difference	Tolerance	Status
Average all patches	0.8 dE -	3.0	OK
Maximum all patches	2.5 dE Patch 8	6.0	OK
Paper white	0.4 dE Patch 40	3.0	OK
Cyan	0.8 dE Patch 1	5.0	OK
Magenta	1.5 dE Patch 4	5.0	OK
Yellow	1.3 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	0.7 dH -	4.0	OK
Hue diff. average gray	0.3 dH -	1.5	OK
Tone value diff.	1.4 % Patch 8	10.0	OK
Average CMYK patches	0.6 dCh -	2.5	OK
Maximum weighted CMY scale	0.8 dCh -	3.0	OK
Average weighted CMY scale	0.4 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	0.9 dL -	3.0	OK
Average weighted CMY scale	0.3 dL -	1.5	OK

## Overall Result

**PASSED**

## Measuring data analysis

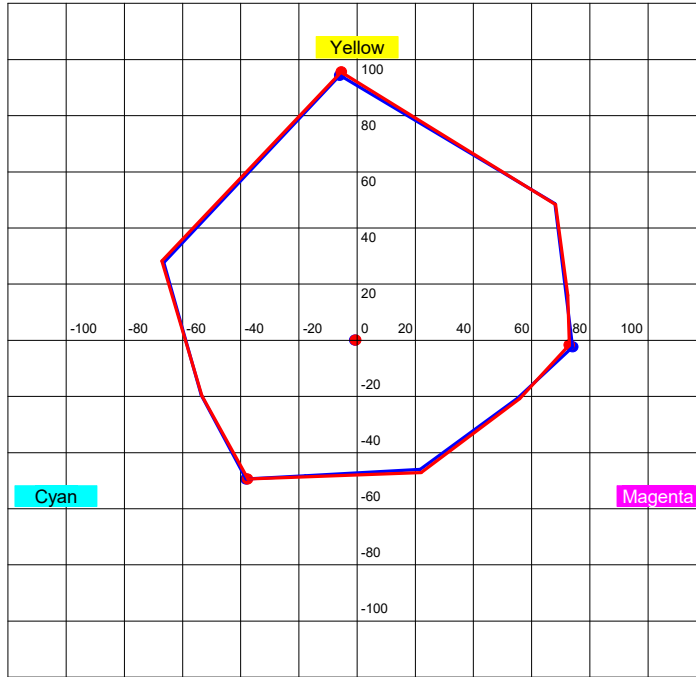
Patch ID	Reference				Measured			Color difference							Result		
	C	M	Y	K	L*	a*	b*	L*	a*	b*	Delta E	dL*	da*	db*		dH*	Tone value diff.
1	100	0	0	0	55.84	-38.15	-49.35	55.39	-37.55	-49.41	0.75	0.45	0.59	0.07	0.51	-	OK
2	70	0	0	0	67.84	-25.78	-36.22	67.52	-25.56	-36.71	0.63	0.32	0.23	0.49	0.47	-0.06%	OK
3	40	0	0	0	80.85	-13.53	-20.62	80.86	-13.54	-20.84	0.22	0.01	0.01	0.22	0.12	-0.75%	OK
4	0	100	0	0	48.75	74.04	-2.35	49.24	72.90	-1.57	1.47	0.49	1.14	0.79	0.76	-	OK
5	0	70	0	0	61.76	50.37	-5.91	61.46	51.00	-5.49	0.81	0.30	0.62	0.42	0.49	0.76%	OK
6	0	40	0	0	77.51	25.19	-5.85	77.56	24.82	-5.95	0.39	0.05	0.37	0.10	0.18	-0.30%	OK
7	0	0	100	0	90.24	-5.94	94.40	90.63	-5.48	95.51	1.26	0.39	0.45	1.11	0.52	-	OK
8	0	0	70	0	91.59	-5.64	63.93	91.54	-5.26	66.42	2.52	0.05	0.37	2.49	0.58	1.40%	OK
9	0	0	40	0	93.46	-4.44	32.53	93.20	-4.18	32.84	0.48	0.26	0.26	0.31	0.30	0.28%	OK
10	20	70	70	0	53.94	37.37	29.63	53.25	37.68	30.33	1.03	0.68	0.31	0.70	0.35	-	OK
11	40	70	70	20	42.26	22.23	17.21	41.97	22.24	17.83	0.68	0.29	0.00	0.63	0.49	-	OK
12	40	100	100	20	32.50	39.68	24.33	32.21	39.65	25.05	0.78	0.29	0.03	0.73	0.63	-	OK
13	40	100	40	20	33.12	44.22	-1.49	33.16	44.37	-0.81	0.70	0.03	0.15	0.69	0.69	-	OK
14	40	40	100	20	52.08	0.54	45.21	51.62	0.96	45.86	0.90	0.46	0.42	0.65	0.41	-	OK
15	100	40	100	20	35.18	-37.48	14.24	34.44	-37.12	14.28	0.82	0.75	0.36	0.04	0.16	-	OK
16	100	40	40	20	36.58	-27.11	-20.49	36.10	-26.87	-20.45	0.54	0.48	0.24	0.04	0.11	-	OK
17	100	100	40	20	21.42	8.99	-23.54	21.02	8.93	-23.30	0.47	0.40	0.05	0.24	0.03	-	OK
18	0	0	0	10	90.17	-0.95	-0.74	90.31	-0.79	-0.41	0.39	0.14	0.16	0.33	0.19	-1.06%	OK
19	0	0	0	20	83.92	-1.01	-0.83	83.95	-1.05	-0.35	0.48	0.03	0.04	0.48	0.44	-0.66%	OK
20	0	0	0	40	70.27	-0.98	-1.03	70.24	-0.56	-0.56	0.63	0.03	0.42	0.46	0.02	-0.37%	OK
21	0	0	0	60	54.97	-0.89	-0.43	54.78	-0.31	-0.22	0.65	0.19	0.59	0.20	0.11	-0.07%	OK
22	0	0	0	80	37.26	-0.74	-0.17	36.74	-0.70	0.02	0.56	0.51	0.04	0.19	0.19	0.15%	OK
23	0	0	0	100	16.41	-0.68	0.05	15.95	-0.58	0.05	0.47	0.46	0.10	0.00	0.01	-	OK
24	100	100	0	0	24.38	21.69	-45.95	24.26	22.05	-47.05	1.16	0.12	0.35	1.10	0.15	-	OK
25	70	70	0	0	41.62	17.34	-36.18	42.26	17.61	-36.55	0.79	0.64	0.27	0.37	0.08	-	OK
26	40	40	0	0	64.63	9.65	-22.93	63.79	10.40	-22.94	1.13	0.83	0.75	0.01	0.69	-	OK
27	0	100	100	0	47.75	67.99	48.66	47.83	68.18	48.37	0.36	0.08	0.19	0.29	0.35	-	OK
28	0	70	70	0	59.41	46.83	38.66	59.76	46.38	39.17	0.76	0.35	0.45	0.51	0.68	-	OK
29	0	40	40	0	75.23	22.34	22.47	74.97	23.49	23.16	1.37	0.26	1.15	0.69	0.32	-	OK
30	100	0	100	0	50.80	-66.41	27.71	50.39	-67.11	28.30	1.00	0.41	0.70	0.59	0.27	-	OK
31	70	0	70	0	63.09	-41.07	21.84	62.02	-41.12	21.60	1.10	1.06	0.06	0.24	0.24	-	OK
32	40	0	40	0	78.05	-20.11	12.12	78.04	-19.70	12.32	0.46	0.01	0.41	0.20	0.39	-	OK
33	10	40	40	0	72.23	18.21	18.25	71.87	19.32	18.16	1.17	0.37	1.11	0.09	0.84	-	OK
34	0	40	100	0	72.31	21.52	74.19	71.74	22.34	73.41	1.27	0.56	0.82	0.77	1.00	-	OK
35	0	100	40	0	48.50	71.19	16.85	48.45	72.44	16.09	1.46	0.05	1.25	0.76	1.02	-	OK
36	40	100	0	0	38.77	55.24	-20.58	38.81	55.92	-20.70	0.70	0.14	0.68	0.12	0.12	-	OK
37	40	0	100	0	74.71	-23.92	68.68	74.50	-23.70	68.24	0.53	0.21	0.22	0.44	0.06	-	OK
38	100	0	40	0	53.15	-53.61	-19.55	52.59	-53.35	-19.69	0.63	0.57	0.26	0.14	0.22	-	OK
39	100	40	0	0	44.02	-17.88	-48.19	44.32	-18.31	-48.45	0.59	0.30	0.43	0.25	0.31	-	OK
40	0	0	0	0	96.70	-0.40	-0.20	96.39	-0.62	-0.14	0.38	0.31	0.21	0.06	0.13	-	OK
41	10	6	6	0	89.74	-1.26	-1.89	89.97	-1.16	-1.96	0.26	0.23	0.10	0.07	0.12	-	OK
42	20	12	12	0	83.13	-1.73	-2.93	83.13	-1.27	-2.91	0.46	0.00	0.46	0.02	0.40	-	OK
43	40	27	27	0	68.66	-2.77	-3.45	67.78	-2.00	-3.67	1.19	0.88	0.77	0.22	0.76	-	OK
44	60	45	45	0	53.05	-3.27	-2.86	53.45	-2.73	-2.61	0.72	0.40	0.53	0.25	0.18	-	OK
45	80	65	65	0	38.17	-4.65	-2.74	38.62	-4.01	-2.30	0.90	0.45	0.64	0.44	0.06	-	OK
46	100	85	85	0	26.82	-7.53	-3.27	27.19	-6.93	-3.04	0.74	0.36	0.60	0.23	0.03	-	OK

## Color space comparison

- Reference
- Measured

## Primary colors

- Reference
  - C: L\*55.84 a\*-38.15 b\*-49.35
  - M: L\*48.75 a\*74.04 b\*-2.35
  - Y: L\*90.24 a\*-5.94 b\*94.40
  - K: L\*16.41 a\*-0.68 b\*0.05
- Measured
  - C: L\*55.39 a\*-37.55 b\*-49.41
  - M: L\*49.24 a\*72.90 b\*-1.57
  - Y: L\*90.63 a\*-5.48 b\*95.51
  - K: L\*15.95 a\*-0.58 b\*0.05



## Gradation Curves

