

**Job ID:** 162  
**Job name:** Offset\_Ref9.indd  
**Print server:** Vito  
**Printer preset:** Proof v3  
**Reference:** FOGRA51\_MKCheck11  
**Sample:** Measured sample  
**Tolerance set:** ISO/DIS 12647-7:2016 Contract Proof "Media Wedge"  
**ΔE formula:** CIE2000  
**Instrument:** EFI ES-2000  
**Measurement mode:** M1 - D50 UV included

## RESULT SUMMARY

ΔE 00	Tolerance	Calculated	Result
Average all patches	2.5	0.7	✓
Maximum all patches	5.0	2.1	✓
Maximum paper white	3.0	1.2	✓
Maximum Cyan	3.0	1.3	✓
Maximum Magenta	3.0	0.7	✓
Maximum Yellow	3.0	0.1	✓
Maximum Black	3.0	1.0	✓
ΔH	Tolerance	Calculated	Result
Maximum CMY patches	2.5	0.8	✓
ΔCh	Tolerance	Calculated	Result
Maximum weighted CMY scale	3.5	1.1	✓
Average weighted CMY scale	2.0	0.5	✓

Passed



## MEASUREMENT DATA

#	Reference								Sample				ΔE
	C	M	Y	K	L*	a*	b*	L*	a*	b*			
1	100	0	0	0	56.12	-34.90	-52.52	54.81	-34.09	-52.16	1.26		
2	70	0	0	0	66.57	-24.03	-39.84	66.02	-25.50	-40.68	0.79		
3	40	0	0	0	79.15	-12.57	-24.94	78.52	-12.65	-25.11	0.45		
4	20	0	0	0	87.20	-5.64	-15.58	86.81	-5.35	-15.35	0.39		
5	10	0	0	0	91.19	-2.28	-10.93	90.90	-2.04	-10.13	0.62		
6	0	100	0	0	48.06	75.29	-5.18	47.40	75.03	-4.36	0.73		
7	0	70	0	0	60.42	52.69	-9.17	59.78	53.21	-9.33	0.58		
8	0	40	0	0	75.43	28.45	-9.24	75.49	28.78	-9.03	0.21		
9	0	20	0	0	85.20	14.67	-8.29	85.21	15.02	-8.35	0.25		
10	0	10	0	0	90.08	8.15	-7.42	89.89	7.92	-7.29	0.26		
11	0	0	100	0	88.94	-4.04	92.37	88.76	-4.17	92.61	0.14		
12	0	0	70	0	90.44	-4.21	61.28	90.04	-4.16	61.53	0.26		
13	0	0	40	0	92.30	-2.85	30.21	92.07	-2.89	30.31	0.15		
14	0	0	20	0	93.66	-1.17	11.88	93.32	-1.37	11.50	0.43		
15	0	0	10	0	94.39	-0.05	3.02	94.17	-0.36	2.64	0.59		
16	0	0	0	10	88.87	1.20	-5.84	88.75	1.00	-5.97	0.32		
17	0	0	0	20	82.71	0.94	-5.62	82.66	0.49	-5.48	0.65		
18	0	0	0	40	69.76	0.49	-4.90	69.63	-0.03	-4.71	0.76		
19	0	0	0	60	55.11	0.16	-3.90	54.81	-0.89	-2.63	1.90		
20	0	0	0	80	37.53	-0.06	-2.55	37.35	-1.02	-2.43	1.38		
21	0	0	0	100	16.00	0.07	-0.33	15.76	-0.54	0.00	0.97		
22	0	100	0	100	13.30	8.89	4.27	12.51	7.79	3.81	1.18		
23	0	70	70	60	33.12	25.82	20.00	32.77	23.77	17.27	1.57		
24	0	0	70	80	34.66	-3.35	21.33	34.13	-4.87	19.36	2.07		
25	100	100	0	0	24.74	21.12	-47.45	24.25	20.13	-47.19	0.64		
26	70	70	0	0	40.13	17.91	-38.49	38.19	17.94	-40.49	2.02		

#	Reference							Sample					
	C	M	Y	K	L*	a*	b*	L*	a*	b*	ΔE		
27	40	40	0	0	62.24	11.37	-26.06			61.73	10.75	-26.21	0.70
28	20	20	0	0	78.13	6.82	-17.10			77.73	6.98	-17.04	0.34
29	10	10	0	0	86.47	4.14	-11.97			86.05	4.09	-12.21	0.34
30	0	100	100	0	47.99	69.33	45.87			47.90	70.61	47.03	0.39
31	0	70	70	0	58.43	49.19	36.75			57.81	49.78	37.25	0.60
32	0	40	40	0	73.41	25.29	20.43			73.62	25.49	20.12	0.31
33	0	20	20	0	83.99	12.38	8.29			83.71	12.37	8.24	0.19
34	0	10	10	0	89.49	6.73	1.30			88.98	6.92	1.65	0.47
35	100	0	100	0	49.45	-65.93	24.34			47.42	-68.60	25.82	2.14
36	70	0	70	0	61.29	-40.43	18.62			60.47	-42.55	17.83	1.22
37	40	0	40	0	76.04	-19.68	8.86			75.74	-20.50	8.04	0.84
38	20	0	20	0	85.72	-8.99	2.17			85.46	-9.47	1.65	0.66
39	10	0	10	0	90.49	-4.02	-1.77			90.28	-3.66	-2.30	0.68
40	10	6	6	0	88.02	0.65	-6.52			87.53	0.33	-6.91	0.64
41	20	12	12	0	80.96	-0.21	-6.62			80.70	-0.69	-6.60	0.68
42	40	27	27	0	66.01	-1.20	-5.85			65.76	-1.10	-5.91	0.25
43	60	45	45	0	50.74	-2.08	-4.61			50.35	-3.36	-4.67	1.64
44	80	65	65	0	36.49	-4.67	-4.60			36.85	-5.53	-5.24	1.07
45	100	85	85	0	26.30	-8.17	-4.54			26.05	-8.49	-5.30	0.66
46	100	0	0	100	12.18	-3.46	-6.20			12.03	-3.64	-6.17	0.23
47	20	100	70	60	24.72	31.23	11.25			23.58	30.61	8.69	1.79
48	70	0	70	80	24.64	-16.37	6.71			24.68	-17.00	5.31	1.13
49	100	100	100	0	23.26	-1.43	-1.68			22.83	-1.09	-1.62	0.56
50	70	70	70	0	37.56	6.18	2.28			37.94	6.01	1.20	0.98
51	40	40	40	0	59.91	5.85	1.87			60.11	6.68	1.58	0.94
52	20	20	20	0	76.83	3.86	-1.11			76.27	3.85	-1.20	0.41
53	10	10	10	0	85.82	2.56	-3.46			85.33	2.70	-2.98	0.58
54	20	70	70	0	52.33	38.11	27.14			51.69	39.01	27.27	0.73
55	40	70	70	20	40.75	22.13	15.28			40.30	22.78	14.31	0.98
56	40	100	100	20	32.07	39.11	20.63			32.13	39.52	19.67	0.67
57	40	100	40	20	32.33	43.36	-4.12			32.34	42.52	-4.24	0.30
58	40	40	100	20	50.09	0.97	42.51			50.53	0.84	43.63	0.59
59	100	40	100	20	33.86	-36.19	11.18			33.80	-35.55	10.96	0.26
60	100	40	40	20	36.13	-25.27	-21.82			35.55	-26.12	-22.53	0.65
61	100	100	40	20	21.98	7.77	-24.64			21.30	8.47	-23.73	1.19
62	10	40	40	0	70.14	20.29	15.78			69.79	20.41	15.40	0.40
63	0	40	100	0	70.62	24.83	71.77			70.00	23.72	71.22	0.74
64	0	100	40	0	48.17	72.08	14.73			48.73	71.44	14.26	0.60
65	40	100	0	0	37.42	55.26	-24.13			36.88	55.35	-24.56	0.49
66	40	0	100	0	72.38	-23.80	65.39			72.00	-23.67	65.41	0.30
67	100	0	40	0	52.96	-51.61	-21.76			52.90	-51.45	-21.90	0.12
68	100	40	0	0	43.67	-14.81	-50.35			43.42	-15.21	-50.60	0.32
69	0	0	0	0	95.00	1.50	-6.00			95.01	1.26	-4.51	1.23
70	0	0	100	100	15.37	-3.20	6.36			15.28	-2.99	6.65	0.38
71	0	70	0	60	34.64	29.50	-5.70			34.83	27.21	-6.56	1.24
72	70	0	0	80	26.43	-10.25	-15.17			26.72	-9.65	-15.71	0.69