

Job name 1 - Gamut - vs Offset
Measurement file 1 - Gamut - vs Offset-007
Reference file ISOcoated_v2_bas.ICC
Date / Time ?t 19. II 15:43:01 2009
Instrument GretagMacbeth EyeOne
Measurement backing Substrate backing
Illuminant/Observer D50 / 2

Notes

Color Care quality control
 - Color Care Target v2.3
 - Color Care fast gamut check
 This Job will check the printing condition of the printer and paper compared to CMYK primary colours for offset print.

Please confirm sufficient D-max using the 3D-Analysis diagramm.

Reference: ISOcoated_v2_bas (Fogra 39L)
 Average delta E (ab) of ink primaries: 5.0
 delta E (ab) just for information

| Criterion | Tolerance Standard | Tolerance Recommended | Result |
|---|--------------------|-----------------------|-----------|
| Average ΔE^*_{ab} = 7.54 | --- | --- | ● |
| Peak ΔE^*_{ab} = 15.99 (1A4) | --- | --- | |
| Primaries Peak ΔE^*_{ab} = 6.98 (1A7) | --- | 5.0 | just OK ● |

Visual confirm sufficient D-max using the 3D-Analysis diagramm.

| ID | Name | Target | | | | Reference | | | Measured | | | Color difference | | | | | |
|----|------|--------|-----|-----|-----|-----------|-------|-------|----------|-------|-------|-------------------|--------------|--------------|--------------|--------------|--------------|
| | | C | M | Y | K | L* | a* | b* | L* | a* | b* | ΔE^*_{ab} | ΔL^* | Δa^* | Δb^* | ΔC^* | ΔH^* |
| 1 | 1A1 | 100 | 100 | 0 | 0 | 24.0 | 22.0 | -46.0 | 19.2 | 27.2 | -38.0 | 10.7 | -4.8 | 5.2 | 8.0 | -4.2 | 8.6 |
| 2 | 1A2 | 100 | 50 | 0 | 0 | 40.1 | -11.1 | -48.0 | 41.1 | -9.8 | -49.4 | 2.1 | 1.0 | 1.3 | -1.3 | 1.0 | 1.5 |
| 3 | 1A3 | 100 | 0 | 0 | 0 | 55.0 | -37.0 | -50.0 | 54.6 | -34.8 | -51.9 | 2.9 | -0.4 | 2.2 | -1.9 | 0.3 | 2.9 |
| 4 | 1A4 | 100 | 0 | 50 | 0 | 51.8 | -55.3 | -12.4 | 53.5 | -50.3 | -27.5 | 16.0 | 1.7 | 5.0 | -15.1 | 0.7 | 15.9 |
| 5 | 1A5 | 100 | 0 | 100 | 0 | 50.0 | -65.0 | 27.0 | 48.8 | -71.3 | 34.7 | 10.0 | -1.2 | -6.3 | 7.7 | 8.9 | 4.4 |
| 6 | 1A6 | 50 | 0 | 100 | 0 | 69.6 | -28.4 | 60.7 | 71.4 | -37.2 | 66.0 | 10.4 | 1.8 | -8.8 | 5.3 | 8.7 | 5.4 |
| 7 | 1A7 | 0 | 0 | 100 | 0 | 89.0 | -5.0 | 93.0 | 91.1 | -10.3 | 97.1 | 7.0 | 2.0 | -5.2 | 4.1 | 4.5 | 4.9 |
| 8 | 1A8 | 0 | 50 | 100 | 0 | 66.8 | 29.6 | 68.4 | 71.7 | 26.8 | 78.6 | 11.7 | 4.9 | -2.9 | 10.3 | 8.5 | 6.4 |
| 9 | 1A9 | 0 | 100 | 100 | 0 | 47.0 | 68.0 | 48.0 | 49.2 | 68.3 | 62.7 | 14.8 | 2.2 | 0.3 | 14.6 | 9.5 | 11.2 |
| 10 | 1A10 | 0 | 100 | 50 | 0 | 47.6 | 70.5 | 21.4 | 49.6 | 73.0 | 16.5 | 5.8 | 2.0 | 2.5 | -4.8 | 1.2 | 5.3 |
| 11 | 1A11 | 0 | 100 | 0 | 0 | 48.0 | 74.0 | -3.0 | 49.0 | 77.0 | 2.4 | 6.3 | 1.0 | 3.0 | 5.4 | 3.0 | 5.4 |
| 12 | 1A12 | 50 | 100 | 0 | 0 | 35.5 | 50.3 | -25.5 | 33.7 | 52.8 | -18.4 | 7.8 | -1.8 | 2.4 | 7.2 | -0.6 | 7.6 |
| 13 | 1A13 | 100 | 100 | 100 | 0 | 23.0 | 0.0 | 0.0 | 23.8 | 6.3 | -5.5 | 8.4 | 0.8 | 6.3 | -5.5 | 8.4 | 0.4 |
| 14 | 1A14 | 0 | 0 | 0 | 100 | 16.0 | 0.0 | 0.0 | 14.9 | -0.3 | -0.7 | 1.4 | -1.1 | -0.3 | -0.7 | 0.8 | 0.1 |
| 15 | 1A15 | 100 | 100 | 100 | 100 | 8.7 | -0.1 | 2.1 | 12.1 | 2.0 | 0.1 | 4.5 | 3.4 | 2.1 | -2.0 | -0.0 | 2.9 |
| 16 | 1A16 | 0 | 0 | 0 | 0 | 95.0 | -0.0 | -2.0 | 95.2 | -0.4 | -1.2 | 0.9 | 0.2 | -0.3 | 0.8 | -0.7 | 0.4 |