UGRA
Display Analysis & Certification Tool Summary

Basics

Date:	2015-8-18 13:00:31
Report-Version:	v2.0.0
Monitor-Name:	\\.\DISPLAY1
EDID-Name:	Cintiq 27QHDT
EDID-Serial:	0005DBQ100082
Profile:	C:/windows/system32/spool/drivers/.../Cintiq 27QHDT-d65custom.icm
Created:	2015-8-18 10:51
Measurement device:	i1Display Pro, Serial: I1-14.A-02.201235.09, Correction: RGB LED
Evaluation method:	UgraCert

Summary

Calibration (Assumed Target Whitepoint: 6500.00 Kelvin)

White Point	yes
Gray balance	yes
Profile quality	yes

Gamut Volume Depends on the calibration verification.

MultiColor, HighBody	yes
Offset/Gravure Paper Type 1/2	yes
Offset on uncoated paper	yes
Newspaper Printing	yes
sRGB	yes
AdobeRGB	yes
ECI-RGB	yes

The monitor has passed the certification according to the UgraCert specifications.

Diagram

White-Point

Gray Balance

Profile Quality

Softproof Quality

Whitepoint

The whitepoint should be as close as possible to the black body curve and the calibration target.The maximum allowed distance to the target whitepoint is 2.0 DeltaE-76.

XYZ:	149.67 157.12 171.17
XYZ (normalized):	95.25 100.00 108.94
xy:	0.3131 0.3287
Luminance:	157.1 Cd/m2
Next Temperature:	6482 Kelvin
Assumed Target Whitepoint:	6500.0 Kelvin
Distance to assumed Target Whitepoint:	0.4 DeltaE-76

Blackpoint

The blackpoint is not defined in ISO 12646. Therefore UDACT does only measure but not assess it.

Luminance:	0.3 Cd/m2
Chromaticity:	1.4 Chroma (Lab)

Gray balance

Average and maximum calculation will respect measurements with 1% minimum luminance only. The L-deviation shows the difference between the profile and measurement value.
The maximum allowed deviations to comply with this test are an average of DeltaC 1.0 and a range of DeltaC 2.0.

Average Temperature	6480
Average Gamma	2.22
Average Chroma Deviation	0.34
Maximum Chroma Deviation	0.86
Chroma Range	1.27
Average L-Deviation	0.4
Maximum L-Deviation	1.7

Tone values

This tests checks the calibration curves of the graphic card. Through the calibration of a display tone values can be lost.A display for the printing industry should show at least 95% of the incoming tone values.

Tone values = 100.0%

Profile Quality

This test displays and measures RGB values and compares them with the transformation of the profile. The maximum allowed deviations to comply with this test are an average of 3.0 DeltaE-76 and a maximum of 6.0 DeltaE-76.

The Lab values are calculated, based on the measured white point (xy: 0.3131 0.3287).

The assumed chromatic adaptation is: Bradford

Average	1.0 DeltaE-76
Maximum	3.4 DeltaE-76

Gamut-Volume

These measurements are only informative.

FOGRA47L - PSO Uncoated ISO12647	99 %
sRGB	100 %
AdobeRGB	100 %
ECI-RGB v2.0	91 %

Softproof Quality

The measurements are converted to Lab values based on the measured whitepoint (xy: 0.3131 0.3287) and compared with the selected reference.The maximum allowed deviations to comply with this test are an average of 3.0 DeltaE-76 and a minimum Gamut volume of 90% for FOGRA47L - PSO Uncoated ISO12647.

Average Deviation	0.9 DeltaE-76
Gamut-Volume	99 %

Uniformity

The uniformity test shows the luminance (in %) and the color deviation (in Delta C*) from the centre point of comparison to the surrounding measuring points. The maximum deviation for the luminance may be 10%. The average value and the chroma deviations are only informative. This test is not taken in consideration for the UDACT certification.

	Average	Max
Luminance Deviation	9%	14%
Chroma Deviation	1	3