

# UGRA

## Display Analysis & Certification Tool

### Summary

#### Basics

Date: 2013-3-8 12:01:09  
Report-Version: v2.0.0  
Monitor-Name: \\.\DISPLAY1  
EDID-Name: DELL S2740L  
EDID-Serial: P7D0G29B0A9L  
Profile: C:/.../DELL S2740L (P7D0G29B0A9L) D50 2.20 120 cdm2.icm  
Created: 2013-3-8 11:37  
Measurement device: DISCUS, Correction: sRGB Like Gamut LCD  
Evaluation method: UDACT v2.0

#### Summary

WARNING: The monitor profile is a LookUpTable-Profile. Some applications do not support LUT-Profiles correctly.

**Calibration** (Reference Whitepoint: 96.42 100.00 82.52 XYZ)

White Point	yes
Gray balance	yes
Tone values	yes
Profile quality	yes
Gamut ability	no

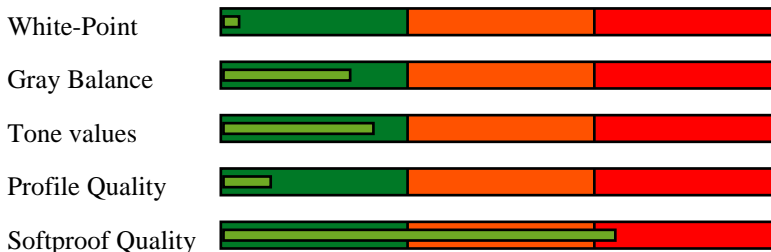


**The monitor has not passed the certification according to the UDACT v2.0 specifications.**

**Softproof quality** (depends on the calibration verification)

ISO Coated v2 (FOGRA39L)	no
sRGB	no
AdobeRGB	no
ECI-RGB v2.0	no

#### Diagram



## 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 dE00.

XYZ (measured):	115.33 119.68 98.91
XYZ (normalized):	96.37 100.00 82.65
xy:	0.3454 0.3584
Luminance:	119.7 Cd/m2
Next Temperature:	5012 Kelvin
Reference Whitepoint:	96.4 100.0 82.5 XYZ
Deviation XYZ to Reference Whitepoint:	0.2 dE00
	0.1 dE76

## Blackpoint

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

Luminance:	0.1 Cd/m2
Chromaticity:	1.8 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 1.0 DeltaC, a range of 2.0 DeltaC. A maximum L-deviation of 2.3 dL00 in the luminance range of 20%-100% shall not be exceeded.

Average Temperature	5007
Average Gamma	2.20
Average Chroma Deviation	0.37
Maximum Chroma Deviation	0.81
Chroma Range	1.37
Average L-Deviation	0.2
Maximum L-Deviation	-0.6

## Tone values

This tests checks the calibration curves (vcgt) 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 = 95.9%

## 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 2.0 dE00 and a maximum of 4.0 dE00.

The Lab values are calculated, based on the measured white point (xy: 0.3454 0.3584).

Average	0.7 dE76	0.4 dE00
Maximum	1.8 dE76	1.0 dE00

## Gamut-Volume

These measurements are only informative.

ISO Coated v2 (FOGRA39L)	93 %
sRGB	98 %
AdobeRGB	81 %
ECI-RGB v2.0	72 %

## Softproof Quality

The measurements are converted to Lab values based on the measured whitepoint (xy: 0.3454 0.3584) and compared with the selected reference. The maximum allowed deviations to comply with this test are an average of 2.0 dE00 and a minimum Gamut volume of 90% for ISO Coated v2 (FOGRA39L).

Average Deviation	1.0 dE00	2.0 dE76
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## Uniformity

The uniformity test shows the luminance deviation (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	2%	8%
Chroma Deviation	2	6