

Test of visual linearized output of pictures D2W<sub>dd</sub> to D3W<sub>dd</sub> please underline Yes/No  
Output test with computer display ( ) or the external display ( ) please mark by (x)!

Test of the resolution of radial gratings W-R<sub>d</sub>, W-G<sub>d</sub>, W-B<sub>d</sub> according to picture D2W<sub>dd</sub>  
Is the resolution diameter < 6 mm? W-R<sub>d</sub> W-G<sub>d</sub> W-B<sub>d</sub> W-N W-Z Yes/No Yes/No Yes/No Yes/No Yes/No  
Test with magnifying glass (e.g. 6x) resolution diameter ..... mm ..... mm ..... mm ..... mm ..... mm

Test of the 14 CIE-test colours according to picture D3W<sub>dd</sub>  
Are clear (immediately conspicuous) differences recognized between reproduction and test chart? Yes/No  
If Yes: How many colours have clear differences? of the given 14 steps: ..... Steps

Test of 16 visual equidistant L\*-grey steps according to picture D3W<sub>dd</sub>  
Are the 16 steps on the upper rows distinguishable? Yes/No  
If No: How many steps can be distinguished? of the given 16 steps: ..... Steps

part 1, AE190-3dd: 00301

Documentation of file format, hardware and software for this test:

PDF file: http://farbe.li.tu-berlin.de/AE19/AE19F0PX\_CY8\_1.PDF underline: Yes/No  
PS file: http://farbe.li.tu-berlin.de/AE19/AE19F0PX\_CY8\_1.PS underline: Yes/No

Used computer operating system: either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the output: underline: monitor/data projector/printer  
Device model, driver and version:.....

output with PDF/PS-file: underline: PDF/PS file

For output with PDF file AE19F0PX\_CY8\_1.PDF  
either PDF-file transfer "download, copy" to PDF device.....  
or with computer system interpretation by "Display-PDF".....  
or with software. e. g. Adobe-Reader-/Acrobat and version:.....  
or with software e. g. Ghostscript and version:.....

For output with PS file AE19F0PX\_CY8\_1.PS  
either PS-file transfer "download, copy" to PS device.....  
or with computer system interpretation by "Display-PS".....  
or with software e. g. Ghostscript and version:.....  
or with software e. g. Mac-Yap and version:.....

Special remarks: e. g. output of Landscape (L)  
.....  
.....  
.....

part 3, AE190-7dd: 00301

Test of 16 visually equally spaced steps of the colour rows W-R<sub>d</sub>, W-G<sub>d</sub>, W-B<sub>d</sub>, and W-N according to picture D4W<sub>dd</sub>  
W-R<sub>d</sub> Are all the 16 steps distinguishable? Yes/No  
White - Red: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps  
W-G<sub>d</sub> Are all the 16 steps distinguishable? Yes/No  
White - Green: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps  
W-B<sub>d</sub> Are all the 16 steps distinguishable? Yes/No  
White - Blue: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps  
W-N Are all the 16 steps distinguishable? Yes/No  
White - Black: If No: How many steps can be distinguished? of the given 16 steps: ..... Steps

Test of characters and Landolt-rings in four sizes according to picture D5W<sub>dd</sub>  
Is the recognition > 50% for letters (17 of 32 at least)? , and for Landolt-rings (minimum 5 of 8)?  
Relative size Letters Rings N Rings R<sub>d</sub> Rings G<sub>d</sub> Rings B<sub>d</sub> Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No  
10 Yes/No Yes/No Yes/No Yes/No Yes/No  
8 Yes/No Yes/No Yes/No Yes/No Yes/No  
6 Yes/No Yes/No Yes/No Yes/No Yes/No  
4 Yes/No Yes/No Yes/No Yes/No Yes/No

Test of the recognition frequency of the Landolt rings W-R<sub>d</sub>, W-G<sub>d</sub>, W-B<sub>d</sub>, and W-N according to picture D6W<sub>dd</sub>, and D7W<sub>dd</sub>  
Is the recognition frequency of the Landolt rings > 50% (5 of 8 at least)?

| Colour row W-R <sub>d</sub> background - ring | Colour row W-G <sub>d</sub> background - ring | Colour row W-B <sub>d</sub> background - ring | Colour row W-N background - ring |
|---|---|---|----------------------------------|
| 0 - 1 Yes/No                                  | 0 - 1 Yes/No                                  | 0 - 1 Yes/No                                  | 0 - 1 Yes/No                     |
| 7 - 8 Yes/No                                  | 7 - 8 Yes/No                                  | 7 - 8 Yes/No                                  | 7 - 8 Yes/No                     |
| E - F Yes/No                                  | E - F Yes/No                                  | E - F Yes/No                                  | E - F Yes/No                     |
| 2 - 0 Yes/No                                  | 2 - 0 Yes/No                                  | 2 - 0 Yes/No                                  | 2 - 0 Yes/No                     |
| 8 - 6 Yes/No                                  | 8 - 6 Yes/No                                  | 8 - 6 Yes/No                                  | 8 - 6 Yes/No                     |
| F - D Yes/No                                  | F - D Yes/No                                  | F - D Yes/No                                  | F - D Yes/No                     |

part 2, AE191-3Ndd: 00301

Documentation of assessor colour-vision properties for visual assessment

The assessor has normal colour vision according to one test: underline: Yes/No  
either according to DIN 6160:1996 with Anomaloskop of Nagel underline: Yes/unknown  
or with test charts using colour points according to Ishihara underline: Yes/unknown  
or tested with, please specify: ..... underline: Yes/unknown

For visual evaluation of the display (Monitor, data projector) output

Office workplace illumination is daylight (clouded/north sky) underline: Yes/No  
PDF file: http://farbe.li.tu-berlin.de/AE19/AE19F0PX\_CY8\_3.PDF underline: Yes/No

PS file: http://farbe.li.tu-berlin.de/AE19/AE19F0PX\_CY8\_3.PS underline: Yes/No  
picture A7<sub>dd</sub> contrast range: (>F:0) (F:0) (E:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)  
compare standard print output according to ISO/IEC 15775 with range F:0 underline: Yes/No

Remark: In daylighted offices the contrast range is in many cases: on display between: >F:0 and E:0 (monitor), D:0 and 3:0 (data projector)

Only for optional colorimetric specification with PDF/PS file output

PDF file: http://farbe.li.tu-berlin.de/AE19/AE19F0PX\_CY8\_3.PDF underline: Yes/No  
picture A7<sub>dd</sub> underline: Yes/No  
PS file: http://farbe.li.tu-berlin.de/AE19/AE19F0PX\_CY8\_3.PS or underline: Yes/No  
picture A7<sub>dd</sub>

colour measurement and specification for:  
CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry: underline: Yes/No  
If No, please give other parameters: .....

Colorimetric specification for 17 step colours of http://farbe.li.tu-berlin.de/OE70/OE70L1NP.PDF  
Exchange of CIELAB data in file http://farbe.li.tu-berlin.de/AE82/AE82L0NP.TXT and transfer of the PS file AE82L0NP.PS (= .TXT) to the PDF-file AE82L0NP.PDF underline: Yes/No  
If No, please describe other method: .....

part 4, AE191-7dd: 00301

see similar files: http://farbe.li.tu-berlin.de/AE19/AE19.HTM  
technical information: http://farbe.li.tu-berlin.de/ or http://farbe.li.tu-berlin.de/AE.HTM

TUB Registration: 20190301-AE19/AE19L0NP.PDF /.PS  
application for measurement or viewing of display and print output  
TUB material: code=rha4ta