see similar files: http://farbe.li.tu-berlin.de/AE29/AE29.HTM
technical information: http://farbe.li.tu-berlin.de/ or http://farbe.li.tu-berlin.de/AE.HTM

TUB Registration: 20190301-AE29/AE29L0FA.TXT /.PS
application for measurement or viewing of display and print output
TUB material: code=rha4ta

Test of visual linearized output of pictures B2W$_{dd}$ to B3W$_{dd}$ 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-C*$_d$, *W-M*$_d$, *W-Y*$_d$ according to picture B2W$_{dd}$

	***W-C*$_d$**	***W-M*$_d$**	***W-Y*$_d$**	***W-N***	***W-Z***
Is the resolution diameter < 6 mm?	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 B3W$_{dd}$

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 B3W$_{dd}$**

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**

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Test of 16 visually equally spaced steps of the colour rows *W-C*$_d$, *W-M*$_d$, *W-Y*$_d$, and *W-N* according to picture B4W$_{dd}$

W-*C*$_d$	Are all the 16 steps distinguishable?		**Yes/No**
White - Cyanblue:	If No: How many steps can be distinguished?	of the given 16 steps:	**..... Steps**
W-*M*$_d$	Are all the 16 steps distinguishable?		**Yes/No**
White - Magentared:	If No: How many steps can be distinguished?	of the given 16 steps:	**..... Steps**
W-*Y*$_d$	Are all the 16 steps distinguishable?		**Yes/No**
White - Yellow:	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 B5W$_{dd}$

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 *C*$_d$**	**Rings *M*$_d$**	**Rings *Y*$_d$**
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-C*$_d$, *W-M*$_d$, *W-Y*$_d$, and *W-N* according to picture B6W$_{dd}$, and B7W$_{dd}$

Is the recognition frequency of the Landolt rings > 50% (5 of 8 at least)?

Colour row *W-C*$_d$ background - ring		**Colour row *W-M*$_d$ background - ring**		**Colour row *W-Y*$_d$ 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, AE291-3Ndd: 01051

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

PDF file:
http://farbe.li.tu-berlin.de/AE29/AE29F0PX_CY3_1.PDF **underline: Yes/No**

PS file:
http://farbe.li.tu-berlin.de/AE29/AE29F0PX_CY3_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 AE29F0PX_CY3_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 AE29F0PX_CY3_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, AE290-7dd: 01051

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/AE29/AE29F0PX_CY3_3.PDF **underline: Yes/No**
PS file: http://farbe.li.tu-berlin.de/AE29/AE29F0PX_CY3_3.PS **underline: Yes/No**
picture A7$_{dd}$ 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/AE29/AE29F0PX_CY3_3.PDF
picture A7$_{dd}$ **underline: Yes/No**
PS file: http://farbe.li.tu-berlin.de/AE29/AE29F0PX_CY3_3.PS
picture A7$_{dd}$ **or underline: Yes/No**

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, AE291-7dd: 01051

Form A: Test chart AE29 according to test chart 2 of ISO/IEC 15775 input: *rgb/cmy0/000n/w set...*
chromatic test chart *CMYK* output: *->rgb$_{dd}$ setrgbcolor*