

Test for the visual linearized output of pictures D1Wde to D3Wde

Output test with the computer display ( ) or the external display ( ) please mark by (x)!

#### Test of the (flower) image according to picture D1Wde

Are clear (immediately conspicuous) differences recognized between reproduction and test chart? **Yes/No**  
Subjective remarks about the colour reproduction of the (flower) image, the CIE-test colours and the 16 grey steps within the image, for example "less contrast":  
.....  
.....  
.....

#### Test of the resolution of radial gratings $W-R_d$ , $W-G_d$ , $W-B_d$ according to picture D2Wde

	$W-R_d$	$W-G_d$	$W-B_d$	$W-N$	$W-Z$
Is the resolution diameter < 6 mm?	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Test with magnifying glass (6x), Resolution diameter:	..... mm	..... mm	..... mm	..... mm	..... mm

#### Test of the 14 CIE-test colours according to picture D3Wde

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 D3Wde

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

AE170-3de: 11011

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

PDF file: [http://farbe.li.tu-berlin.de/AE17/AE17F0PX\\_CY7\\_1.PDF](http://farbe.li.tu-berlin.de/AE17/AE17F0PX_CY7_1.PDF) **underline Yes/No**

PS-File: [http://farbe.li.tu-berlin.de/AE17/AE17F0PX\\_CY7\\_1.PS](http://farbe.li.tu-berlin.de/AE17/AE17F0PX_CY7_1.PS) **or underline Yes/No**

#### Used computer operating system:

either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the device output: **underline monitor/data projector/printer**

Device model, driver and version:.....

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

#### For device output with PDF-file AE17F0PX\_CY7\_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 device output with PS-file AE17F0PX\_CY7\_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: Special remarks, e. g. output of Landscape (L)  
.....  
.....

part 3

AE170-7N\*de-11011

Form A: Test chart AE17 according to test chart 4 of ISO/IEC 15775 input:  $rgb/cmy0/000n/w$  set...  
chromatic test chart RGB output:  $->rgb_{de}$  setrgbcolor

Test of 16 visually equally spaced steps of the colour rows  $W-R_d$ ,  $W-G_d$ ,  $W-B_d$ , and  $W-N$  according to picture D4Wde

Colour row	Are all the 16 steps distinguishable?	If No: How many steps can be distinguished?	of the given 16 steps	Yes/No
$W-R_d$ White - Red:	Are all the 16 steps distinguishable?	.....	Steps	<b>Yes/No</b>
$W-G_d$ White - Green:	Are all the 16 steps distinguishable?	.....	Steps	<b>Yes/No</b>
$W-B_d$ White - Blue:	Are all the 16 steps distinguishable?	.....	Steps	<b>Yes/No</b>
$W-N$ White - Black:	Are all the 16 steps distinguishable?	.....	Steps	<b>Yes/No</b>

#### Test of characters and Landolt-rings in four sizes according to picture D5Wde

Is the recognition frequency > 50% for letters (17 from 32 at least) and for Landolt-rings (minimum 5 of 8)?

Relative size	Letters	Ring $N$	Ring $R_d$	Ring $G_d$	Ring $B_d$
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 recognition frequency of Landolt-rings $W-R_d$ , $W-G_d$ , $W-B_d$ , and $W-N$ according to pictures D6Wde, and D7Wde

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

Colour row $W-R_d$	Colour row $W-G_d$	Colour row $W-B_d$	Colour row $W-N$
background - ring	background - ring	background - ring	background - ring
0 - 1	0 - 1	0 - 1	0 - 1
7 - 8	7 - 8	7 - 8	7 - 8
E - F	E - F	E - F	E - F
2 - 0	2 - 0	2 - 0	2 - 0
8 - 6	8 - 6	8 - 6	8 - 6
F - D	F - D	F - D	F - D

part 2

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#### 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/AE17/AE17F0PX\\_CY7\\_3.PDF](http://farbe.li.tu-berlin.de/AE17/AE17F0PX_CY7_3.PDF) **underline Yes/No**

PS file: [http://farbe.li.tu-berlin.de/AE17/AE17F0PX\\_CY7\\_3.PS](http://farbe.li.tu-berlin.de/AE17/AE17F0PX_CY7_3.PS) **underline Yes/No**

Picture A7de contrast range: (>F:0) (F:0) (D:0) (C:0) (A:0) (9:0) (5:0) (3:0) (<3:0)

compare standard print output according to ISO/IEC 15775 with range F:0 **underline range**

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/AE17/AE17F0PX\\_CY7\\_3.PDF](http://farbe.li.tu-berlin.de/AE17/AE17F0PX_CY7_3.PDF)

picture A7de **underline Yes/No**

PS file: [http://farbe.li.tu-berlin.de/AE17/AE17F0PX\\_CY7\\_3.PS](http://farbe.li.tu-berlin.de/AE17/AE17F0PX_CY7_3.PS)

picture A7de **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

AE171-7de: 11011

TUB Registration: 20191001-AE17/AE17L0FA.TXT /.PS  
application for measurement or viewing of the output on display and print

TUB material: code=th4ta