

Manufacturer (trade mark):	<b>Clover Germany</b>	Type/Model OEM:	CC530A
Lot/Part number:	<b>DPCCP2025BEP</b>	Toner color(s):	<b>BLACK</b>
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	3500	Take over value of existing test protocol :	(box) Yes, from ISO19798
Test device:	CNCS804003 / CNHSC14257	Relative humidity:	45
Test climate:	Temperature: 24	Test location 2):	<b>TRS EUROPE</b>
Deviations of the determined test conditions	Tester 1): Aleksandar Kojic	Test date:	<b>3.11.2015</b>

1) If values are taken over from test protocol, the signing person is responsible, that the protocols, from which the values have been taken off, are plausible and correct.  
 2) Either testing place or place where the protocol is made

Test sample (A)	Type	Used for valuation	Charge/Serial number
1	3540	Yes	Sample 1
2	3710	Yes	Sample 2
3	3819	Yes	Sample 3
4	3730	Yes	Sample 4
5	3901	Yes	Sample 5
6	4074	Yes	Sample 6
7	3500	Yes	Sample 7
8	3858	Yes	Sample 8
9	3702	Yes	Sample 9

  

Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
1	3500	Yes/no	OEM Sample/Spec
2	3500	Yes/no	OEM Sample/Spec
3	3500	Yes/no	OEM Sample/Spec
4		Yes/no	
5		Yes/no	

OEM data taken from OEMs own ISO19752 or ISO19798 declarations of yield

**Administrative checking of health related attributes (5.2)**

Is there an EG- Safety Data Sheet of the used toner? Yes/no

If there are no information of the AMES test in the EG Safety Data Sheet Yes/no

Is there a test report about the AMES test of the used toner? Yes/no

If not: Description

**Checking the influence of the toner module on the printer (5.3)**

Is the toner leaking less than the original? Yes/no

Is the interaction between printer and toner module acceptable? Yes/no

If not: Description

**Checking the initialization (5.4)**

Is the print out acceptable right after the toner module has been inserted? Yes/no

If not: Describe fault

**Checking the yield number (5.5)**

**BLACK**

	1	2	3	Average (Å or V)
Yield A: (A1+A2+A3)/3= Å	4074	3730	3500	3768
Yield V: (V1+V2+V3)/3=V	3500	3500	3500	3500

**Alternative:**

Yield A: Result of test after ISO/IEC 19752 Å	
Reference to the test protocol:	
Test date:	
Yield V: Result of test after ISO/IEC 19752 V	
Reference to the test protocol:	
Test date:	
Result: EZ=Å/V	1,08

	Yes	No	Not Applicable
Is the expected yield (EZ) reached?	YES		
Is the expected page yield reached?	YES		

**Checking the black print/Color reproduction (5.6.2)**

Average value of the 2 areas F test print A1:	18,1		
Average value of the 2 areas F comparing print V1:	19		
Difference is not higher than Δ≤5 for Monochrom	<input type="text" value="Not Applicable"/>	Yes/No/Not Applicable	<input type="text" value="Not Applicable"/>
Color difference ΔE≤18 for Color	<input type="text" value="0,9"/>	Yes/No/Not Applicable	<input type="text" value="Yes"/>
Average value of the 2 areas F test print A2:	20		
Average value of the 2 areas F comparing print V2:	18,7		
Difference is not higher than Δ≤5 for Monochrom	<input type="text" value="Not Applicable"/>	Yes/No/Not Applicable	<input type="text" value="Not Applicable"/>
Color difference ΔE≤18 for Color	<input type="text" value="1,3"/>	Yes/No/Not Applicable	<input type="text" value="Yes"/>
Average value of the 2 areas F test print A3:	22,3		
Average value of the 2 areas F comparing print V3:	22,7		
Difference is not higher than Δ≤5 for Monochrom	<input type="text" value="Not Applicable"/>	Yes/No/Not Applicable	<input type="text" value="Not Applicable"/>

Color difference  $\Delta E \leq 18$  for Color

Yes/No/Not Aplicable

**Checking the fade (5.6.3)**

**BLACK**

<b>Test print A1</b>					
Color values 1 6 A F	1	6	A	F	
after 50 pages	88,4	67,6	46,7	19,1	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	2,3	0,7	1,2	1,9	
<b>Comparing print V1</b>					
Color values 1 6 A F	1	6	A	F	
after 50 pages	90,5	68	46	19,8	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	1,1	0,8	2,4	2	
<b>Result determination</b>					
Difference $\Delta L \leq 8$	1	6	A	F	
Difference within allowed parameters	1,2	0,1	1,2	0,1	
	YES	YES	YES	YES	

<b>Test print A2 BLACK</b>					
Color values 1 6 A F	1	6	A	F	
after 50 pages	87	67	45,5	20,7	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	1,6	0,4	1,1	1,4	
<b>Comparing print V2</b>					
Color values 1 6 A F	1	6	A	F	
after 50 pages	90,3	70,1	47,7	20,4	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	1,4	3,4	3,7	2,6	
<b>Result determination</b>					
Difference $\Delta L \leq 8$	1	6	A	F	
Difference within allowed parameters	0	3	2,6	1,2	
	YES	YES	YES	YES	

<b>Test print A3 BLACK</b>					
Color values 1 6 A F	1	6	A	F	
after 50 pages	88,9	64,4	43,4	23,3	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	0,8	1,6	1,3	1,6	
<b>Comparing print V2</b>					
Color values 1 6 A F	1	6	A	F	
after 50 pages	88,4	68,2	47,4	24,1	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	1,2	3,1	5,4	2,4	
<b>Result determination</b>					
Difference $\Delta L \leq 8$	1	6	A	F	
Difference within allowed parameters	0,4	1,5	4,1	0,8	
	YES	YES	YES	YES	

**Checking toner adhesion**

Test process: visual (tape method):

Is the resistance in between the acceptable parameters? Yes  
 If not: Describe deviation

**Checking the grey page/color uniformity (5.6.5)**

Are the color differences in between the acceptable parameters (pattern B2-B5)  $\Delta E \leq 8$ ? Yes  
 If not: Describe deviation

**Checking the background (5.6.6)**

Is the background smudge between the acceptable parameters (pattern B1-B5)? Yes  
 If not: Describe deviation

**Checking the ghosting (5.6.7)**

Is the repeating of the back rectangles in between the acceptable parameters (pattern B2-B5)? Yes  
 If not: Describe deviation

**Checking toner miscibility (5.6.8)**

Is the toner miscibility given? N/A  
 If not: Describe deviation

**OVERALL RESULT: Passed**