

Manufacturer (trade mark):	Clover Germany	Type/Model OEM:	CE253A
Lot/Part number:	CP3525MEP	Toner color(s):	MAGENTA
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	7000	Take over value of existing test protocol :	(box) Yes, from ISO19798
Test device:	CNCTB89J52 / CNCT91LGQS / CNCT9B5GHF	Relative humidity:	45
Test climate:	Temperature: 23	Test location 2):	TRS EUROPE
Deviations of the determined test conditions	Tester 1): Aleksandar Kojić	Test date:	20.11.2014

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	7342	Yes	A120S
2	7357	Yes	C140S
3	7812	Yes	A140S
4	7428	Yes	B133S
5	8574	Yes	B138S
6	7875	Yes	A146S
7	7811	Yes	C139S
8	8780	Yes	B139S
9	7434	Yes	C138S

Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
1	7000	Yes/no	N/A
2	7000	Yes/no	N/A
3	7000	Yes/no	N/A
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 **Yes**

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

Is there a test report about the AMES test of the used toner? Yes/no **Not Aplicable**

If not: Description **All MSDSs mention Ames test**

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

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

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

If not: Description

Checking the initialization (5.4)

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

If not: Describe fault

Checking the yield number (5.5)

	1	2	3	Average (A or V)
Yield A: (A1+A2+A3)/3= \bar{A}	8780	7811	7342	7978
Yield V: (V1+V2+V3)/3= \bar{V}	7000	7000	7000	7000

Alternative:

Yield A: Result of test after ISO/IEC 19752 \bar{A}

Reference to the test protocol:

Test date:

Yield V: Result of test after ISO/IEC 19752 \bar{V}

Reference to the test protocol:

Test date:

Result: $EZ = \bar{A} / \bar{V}$

	Yes	No	Not Aplicable
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:	46,8
Average value of the 2 areas F comparing print V1:	48,5

Difference is not higher than Δ^*+5 for Monochrom		Yes/no/Not Aplicable	N/A
Color difference $\Delta E \leq 18$ for Color	1,7	Yes/no/Not Aplicable	Yes
Average value of the 2 areas F test print A2:	44,6		
Average value of the 2 areas F comparing print V2:	47		
Difference is not higher than Δ^*+5 for Monochrom		Yes/no/Not Aplicable	N/A
Color difference $\Delta E \leq 18$ for Color	2,4	Yes/no/Not Aplicable	Yes
Average value of the 2 areas F test print A3:	45,7		
Average value of the 2 areas F comparing print V3:	47,7		
Difference is not higher than Δ^*+5 for Monochrom		Yes/no/Not Aplicable	N/A
Color difference $\Delta E \leq 18$ for Color	2	Yes/no/Not Aplicable	Yes

Checking the fade (5.6.3)

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Test print A1				
Color values 1 6 A F	1	6	A	F
after 50 pages	90	75	61,8	48,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,6	1,5	1,3	2,3
Comparing print V1				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,6	77	63,9	49,7
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,2	2,6	3	3,8
Result determination	1	6	A	F
Difference				
$\Delta L \leq 8$	0,4	1,1	1,7	1,5
Difference within allowed parameters	Yes	Yes	Yes	Yes

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Test print A2				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,1	75,7	62	47,3
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,9	3,7	3,3	2,8
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,6	75,6	61,8	47,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,6	2,7	1,9	3
Result determination	1	6	A	F
Difference				
$\Delta L \leq 8$	0,3	1	1,4	0,2
Difference within allowed parameters	Yes	Yes	Yes	Yes

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Test print A3				
Color values 1 6 A F	1	6	A	F
after 50 pages	89,1	75,2	62	47,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	1	1,5	2,6
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	89	73,9	60,8	49,3
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,8	0,8	1,1	2,9
Result determination	1	6	A	F
Difference				
$\Delta L \leq 8$	0,2	0,2	0,4	0,3
Difference within allowed parameters	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 lightness differences in between the acceptable parameters? Yes
If not: Describe deviation

Checking the background (5.6.6)

Is the background smudge in between the acceptable parameters (pattern B1)? 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)? 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