Manufacturer (trade mark):	**Clover Germany**	Type/Model OEM:	**CE252A**
Lot/Part number:	**CP3525YEP**	Toner color(s):	**YELLOW**

Main application: To be used on the relevant printers according to remanufacturer instructions

Intended yield: 7000

Test device: CNCTB89J52 / CNCT91LGQS / CNCT9B5GHF

Take over value of existing test protocol : (box) Yes, from ISO19798

Test climate:

Temperature: 23   Relative humidity: 45

Deviations of the determined test conditions

Tester 1): Aleksandar Kojić   Test location 2): **TRS EUROPE**

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	7908	Yes		C008S
2	7334	Yes		C019S
3	7754	Yes	We use for A1 the	B019S
4	7989	Yes	MAX, for A2 the	A020S
5	8366	Yes	MEDIAN and for A3 the	B020S
6	7900	Yes	MIN value of the list at	B021S
7	7895	Yes	left	B018S
8	8080	Yes		A021S
9	8671	Yes		C023S

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

	1	2	3	Average (Ā or V)
Yield A: (A1+A2+A3)/3= Ā	8671	7908	7334	7971
Yield V: (V1+V2+V3)/3=V	7000	7000	7000	7000

Alternative:

Yield A: Result of test after ISO/IEC 19752 Ā

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=Ā/V   1,14

	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:   86,5

Average value of the 2 areas F comparing print V1:   90

			Yes/no/Not Aplicable	
Difference is not higher than Δ*+-5 for Monochrom			Yes/no/Not Aplicable	N/A
Color difference ΔE≤18 for Color	3,5		Yes/no/Not Aplicable	Yes
Average value of the 2 areas F test print A2:	86,7			
Average value of the 2 areas F comparing print V2:	89,9			
Difference is not higher than Δ*+-5 for Monochrom			Yes/no/Not Aplicable	N/A
Color difference ΔE≤18 for Color	3,2		Yes/no/Not Aplicable	Yes
Average value of the 2 areas F test print A3:	86,8			
Average value of the 2 areas F comparing print V3:	87,8			
Difference is not higher than Δ*+-5 for Monochrom			Yes/no/Not Aplicable	N/A
Color difference ΔE≤18 for Color	1		Yes/no/Not Aplicable	Yes

Checking the fade (5.6.3)
YELLOW

Test print A1

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	93,7	91,2	88,4	87,5
Color values 1 6 A F	1	6	A	F
The biggest deviation	1	1	1	1

Comparing print V1

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	93,4	92,5	90,4	89,3
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,7	1,4	1,7	1,6

	1	6	A	F
Result determination	1	6	A	F
Difference				
ΔL≤8	0,3	0,4	0,7	0,6
Difference within allowed parameters	Yes	Yes	Yes	Yes

YELLOW

Test print A2

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	93,4	91	88,6	87,6
Color values 1 6 A F	1	6	A	F
The biggest deviation	3	1,2	1,8	1,5

Comparing print V2

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	94,1	92,4	90,3	89,3
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,8	2	1,9	2,7

	1	6	A	F
Result determination	1	6	A	F
Difference				
ΔL≤8	2,2	0,8	0,1	1,2
Difference within allowed parameters	Yes	Yes	Yes	Yes

YELLOW

Test print A3

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	93,6	90,7	88	87
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,6	0,7	0,7	0,8

Comparing print V2

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	94	90,7	88,3	87,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,2	0,6	0,5	0,9

	1	6	A	F
Result determination	1	6	A	F
Difference				
ΔL≤8	1,4	0,1	0,2	0,1
Difference within allowed parameters	Yes	Yes	Yes	Yes

Checking toner adhesition
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