Manufacturer (trade mark):	**Clover Germany**
Lot/Part number:	**521170EP**
Main application:	To be used on the relevant printers according to remanufacturer instructions
Intended yield:	10000
Test device:	NL7Y076230 / NL7V034748 / NL7TO19818
Test climate:	
Temperature:	20

Type/Model OEM:	C4127X
Toner color(s):	**Monochrome**

Take over value of existing test protocol : (box) Yes, from ISO19752

Relative humidity: 41

Deviations of the determined test conditions

Tester 1):	Aleksandar Kojić
Test date:	16.12.2014

Test location 2): **TRS EUROPE**

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	11102	Yes		A061S
2	12229	Yes		A064S
3	11000	Yes	We use for A1 the	A072S
4	12310	Yes	MAX, for A2 the	A001S
5	11520	Yes	MEDIAN and for A3 the	A079S
6	10800	Yes	MIN value of the list at	A073S
7	11140	Yes	left	A062S
8	11000	Yes		A069S
9	11150	Yes		A075S

Comparing Sample (B)	Type	Used for valuation		Charge/Serial number
1	10000	Yes/no	Yes	N/A
2	10000	Yes/no	Yes	N/A
3	10000	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
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)
BLACK

	1	2	3	Average (Ã or V̄)
Yield A: (A1+A2+A3)/3= Ã	12310	11140	10800	11417
Yield V: (V1+V2+V3)/3=V̄	10000	10000	10000	10000

Alternative:

Yield A: Result of test after ISO/IEC 19752 Ã	
Reference to the test protocol:	
Test date:	
Yield V: Result of test after ISO/IEC 19752 V̄	
Reference to the test protocol:	
Test date:	
Result: EZ=Ã/V̄	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:	25,7
Average value of the 2 areas F comparing print V1:	30,4

Difference is not higher than Δ*+-5 for Monochrom	4,7	Yes/no/Not Aplicable Yes
Color difference ΔE≤18 for Color		Yes/no/Not Aplicable N/A
Average value of the 2 areas F test print A2:	28,8	

Average value of the 2 areas F comparing print V2:	30,5	

Difference is not higher than Δ*+-5 for Monochrom	1,7	Yes/no/Not Aplicable Yes
Color difference ΔE≤18 for Color		Yes/no/Not Aplicable N/A
Average value of the 2 areas F test print A3:	27,6	

Average value of the 2 areas F comparing print V3:	32,6	

Difference is not higher than Δ*+-5 for Monochrom	5	Yes/no/Not Aplicable Yes
Color difference ΔE≤18 for Color		Yes/no/Not Aplicable N/A

Checking the fade (5.6.3)
BLACK

Test print A1

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	92,5	79,3	59,2	26,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	2,6	5,4	4,3

Comparing print V1

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	92	81,1	61,8	28,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,1	2,7	1,2	5,2

	1	6	A	F
Result determination	1	6	A	F
Difference				
ΔL≤8	0,5	0,1	4,2	0,9
Difference within allowed parameters Yes	Yes	Yes	Yes	

BLACK

Test print A2

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	92,6	82,3	63,9	28,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	7,5	4,7	6,3

Comparing print V2

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	91,7	80	61,5	30
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	4,6	3,2	4,9

	1	6	A	F
Result determination	1	6	A	F
Difference				
ΔL≤8	0,1	2,9	1,5	1,4
Difference within allowed parameters Yes	Yes	Yes	Yes	

BLACK

Test print A3

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	93,3	74,2	50,9	27,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,3	2,6	1,7	3,2

Comparing print V2

	1	6	A	F
Color values 1 6 A F	1	6	A	F
after 50 pages	91,1	79,9	59,1	30,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,4	10	0,8	4,6

	1	6	A	F
Result determination	1	6	A	F
Difference				
ΔL≤8	0,1	7,4	0,9	1,4
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