



Manufacturer (trade mark):	PRPS	Type/Model OEM:	52D2X00
Lot/Part number:	4241825	Toner color(s):	Monochrome
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	45000	Take over value of existing test protocol : (box)	Yes, from ISO19752
	40635C6604MBB /		
	40635C6604MLY /		
Test device:	40635C6604MLN		
Test climate:			
Temperature:	25	Relative humidity:	42
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic	Test location 2):	SERBIA
Test date:	21/03/2017		

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	51455	Yes	Sample 1
2	51675	Yes	Sample 2
3	50020	Yes	Sample 3
4	51655	Yes	Sample 4
5	52765	Yes	Sample 5
6	52809	Yes	Sample 6
7	48904	Yes	Sample 7
8	49638	Yes	Sample 8
9	49008	Yes	Sample 9

Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
1	45000	Yes/no	OEM Sample/Spec
2	45000	Yes/no	OEM Sample/Spec
3	45000	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 **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)

	Monochrome			Average ($\bar{A}$ or $\bar{V}$)
	1	2	3	
Yield A: $(A1+A2+A3)/3=\bar{A}$	52809	51455	48904	51056
Yield V: $(V1+V2+V3)/3=\bar{V}$	45000	45000	45000	45000

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

1,13

	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:	20,2		
Average value of the 2 areas F comparing print V1:	20		
Difference is not higher than $\Delta \leq 5$ for Monochrome	0,2	Yes/No/Not Aplicable	Yes
Color difference $\Delta E \leq 18$ for Color	Not applicable	Yes/No/Not Aplicable	Not Aplicable
Average value of the 2 areas F test print A2:	21,1		
Average value of the 2 areas F comparing print V2:	19,3		
Difference is not higher than $\Delta \leq 5$ for Monochrome	1,8	Yes/No/Not Aplicable	Yes
Color difference $\Delta E \leq 18$ for Color	Not applicable	Yes/No/Not Aplicable	Not Aplicable
Average value of the 2 areas F test print A3:	21		
Average value of the 2 areas F comparing print V3:	20,1		
Difference is not higher than $\Delta \leq 5$ for Monochrome	0,9	Yes/No/Not Aplicable	Yes
Color difference $\Delta E \leq 18$ for Color	Not applicable	Yes/No/Not Aplicable	Not Aplicable

Checking the fade (5.6.3)

		Monochrome			
Test print A1					
Color values 1 6 A F	1	6	A	F	
after 50 pages	92,7	77,2	52,2	20,1	
Color values 1 6 A F	1	6	A	F	
The biggest deviation	0,7	3,1	5,5	0,9	
Comparing print V1					
Color values 1 6 A F	1	6	A	F	
after 50 pages	92,4	72,7	48,7	20,2	

Color values 1 6 A F	1	6	A	F
The biggest deviation	0,8	4,6	6,8	0,7
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0,1	1,5	1,3	0,2
Difference within allowed parameters	YES	YES	YES	YES

Test print A2 Monochrome

Color values 1 6 A F	1	6	A	F
after 50 pages	92,4	77,3	54,1	22
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,7	2,5	3,9	1,9
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	92	75,3	50,9	19,3
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,2	4,9	7,1	0,9
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	1	2,4	3,2	1
Difference within allowed parameters	YES	YES	YES	YES

Test print A3 Monochrome

Color values 1 6 A F	1	6	A	F
after 50 pages	93	78,3	55	21,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,5	6,5	7,7	1,2
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	92,3	73,1	49,3	20,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,7	4,9	5,1	2,7
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0,8	1,6	2,6	1,5
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 differences in brightness between the acceptable parameters (pattern B2) $\Delta L \leq 5$?	Yes
If not: Describe deviation	

Checking the background (5.6.6)

Is the background smudge 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