



Manufacturer (trade mark):	PRPS	Type/Model OEM:	Q5949X
Lot/Part number:	626738	Toner color(s):	Monochrome
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	6000		
Test device:	CNMJM98816 / CNGW548GFR / CNHW63JL5X	Take over value of existing test protocol :	(box) Yes, from ISO19752
Test climate:			
Temperature:	23	Relative humidity:	43
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic	Test location 2):	SERBIA
Test date:	26/11/2014		

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 8850		Yes	Sample 1
2 6700		Yes	Sample 2
3 6000		Yes We use for A1 the	Sample 3
4 6775		Yes MAX, for A2 the	Sample 4
5 7215		Yes MEDIAN and for A3 the	Sample 5
6 7150		Yes MIN value of the list at	Sample 6
7 7280		Yes left	Sample 7
8 7130		Yes	Sample 8
9 6800		Yes	Sample 9
Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
1 6000		Yes/no Yes	OEM Sample/Spec
2 6000		Yes/no Yes	OEM Sample/Spec
3 6000		Yes/no Yes	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: $(A1+A2+A3)/3=\bar{A}$	8850	7130	6000		7327
Yield V: $(V1+V2+V3)/3=\bar{V}$	6000	6000	6000		6000
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: $EZ=\bar{A}/\bar{V}$					1,22
	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:	23,1		
Average value of the 2 areas F comparing print V1:	20,6		
Difference is not higher than $\Delta \leq 5$ for Monochrome	2,5	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:	22		
Average value of the 2 areas F comparing print V2:	23,4		
Difference is not higher than $\Delta \leq 5$ for Monochrome	1,4	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:	21,5		
Average value of the 2 areas F comparing print V3:	20,6		
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	91,2	72,1	60,2	23,6
Color values 1 6 A F	1	6	A	F
The biggest deviation	2	2,3	3,1	4,1
Comparing print V1				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,5	74,2	62,1	21,3

Color values 1 6 A F	1	6	A	F
The biggest deviation	1	1,1	1,5	1,9
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	1	1,2	1,6	2,2
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	91,4	70,5	61,3	22,5
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,4	1,9	2,3	3
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	91	71,4	62,3	23
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,1	1,4	0,4	0,9
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0,5	1,9	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	90,9	71,4	62,2	23,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,4	0,5	2,4	2,1
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	91	72,2	63,1	23,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,3	1,5	1	1,4
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	1,1	1	1,4	0,7
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