



Manufacturer (trade mark):	PRPS	Type/Model OEM:	CB436A
Lot/Part number:	4200150	Toner color(s):	Monochrome
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	2000	Take over value of existing test protocol:	(box) <input type="checkbox"/> Yes, from ISO19752
Test device:	VNF3C01491 / CNCK311262 / CNCK285761	Relative humidity:	42
Test climate:	Temperature: 23	Test location 2):	SERBIA
Deviations of the determined test conditions	Tester 1): Aleksandar Kojic	Test date:	09/01/2015

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	2010	Yes	Sample 1
2	2112	Yes	Sample 2
3	2500	Yes	Sample 3
4	2210	Yes	Sample 4
5	2100	Yes	Sample 5
6	2003	Yes	Sample 6
7	2070	Yes	Sample 7
8	2114	Yes	Sample 8
9	2000	Yes	Sample 9

Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
1	2000	Yes/no	OEM Sample/Spec
2	2000	Yes/no	OEM Sample/Spec
3	2000	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

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 (Ā or V)
	1	2	3	
Yield A: (A1+A2+A3)/3= Ā	2500	2100	2000	2200
Yield V: (V1+V2+V3)/3=V	2000	2000	2000	2000

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

	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:	22		
Average value of the 2 areas F comparing print V1:	24,2		
Difference is not higher than Δ≤5 for Monochrome	2,2	Yes/No/Not Aplicable	<input type="checkbox"/> Yes
Color difference ΔE≤18 for Color	Not applicable	Yes/No/Not Aplicable	<input type="checkbox"/> Not Aplicable
Average value of the 2 areas F test print A2:	21,8		
Average value of the 2 areas F comparing print V2:	20,6		
Difference is not higher than Δ≤5 for Monochrome	1,2	Yes/No/Not Aplicable	<input type="checkbox"/> Yes
Color difference ΔE≤18 for Color	Not applicable	Yes/No/Not Aplicable	<input type="checkbox"/> Not Aplicable
Average value of the 2 areas F test print A3:	18,8		
Average value of the 2 areas F comparing print V3:	22,1		
Difference is not higher than Δ≤5 for Monochrome	3,3	Yes/No/Not Aplicable	<input type="checkbox"/> Yes
Color difference ΔE≤18 for Color	Not applicable	Yes/No/Not Aplicable	<input type="checkbox"/> Not Aplicable

Checking the fade (5.6.3)

	Monochrome			
Test print A1	1	6	A	F
Color values 1 6 A F after 50 pages	92,6	71,1	49,2	21,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	5,1	6,5	3,8	3
Comparing print V1	1	6	A	F
Color values 1 6 A F after 50 pages	91,2	70,2	52,3	24,6

Color values 1 6 A F	1	6	A	F
The biggest deviation	2,5	3,4	1,9	2,7
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	2,6	3,1	1,9	0,3
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	88,5	65,8	47,3	22,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	3,6	4,2	2,1	2,4
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,1	72,1	50,9	23,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	2,1	4,3	3,6	3,3
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	2	0,1	1,5	0,9
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	91,1	68,2	47,3	22,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	4,1	2,8	1,5	3,8
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	91,6	70,6	51,2	24,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,1	3,5	2,6	2,1
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	3	0,7	1,1	1,7
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

