



Manufacturer (trade mark):	PRPS	Type/Model OEM:	CB435A
Lot/Part number:	4200143	Toner color(s):	Monochrome
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	1500	Take over value of existing test protocol : (box)	Yes, from ISO19752
Test device:	VNF5S28407 / VNF3B43028 / VNC3T11022		
Test climate:			
Temperature:	24	Relative humidity:	41
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic	Test location 2):	SERBIA
Test date:	22/10/2018		

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 1701		Yes	Sample 1
2 1991		Yes	Sample 2
3 1886		Yes	We use for A1 the
4 1754		Yes	MAX, for A2 the
5 1972		Yes	MEDIAN and for A3 the
6 1864		Yes	MIN value of the list at
7 1851		Yes	left
8 1907		Yes	Sample 7
9 1874		Yes	Sample 8
		Yes	Sample 9
Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
1 1500		Yes/no	Yes
2 1500		Yes/no	Yes
3 1500		Yes/no	Yes
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			
	1	2	3	Average ($\bar{A}$ or $\bar{V}$)
Yield A: $(A1+A2+A3)/3=\bar{A}$	1991	1874	1701	1855
Yield V: $(V1+V2+V3)/3=\bar{V}$	1500	1500	1500	1500
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: $EZ=\bar{A}/\bar{V}$				1,24
	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:	22,8		
Average value of the 2 areas F comparing print V1:	23,2		
Difference is not higher than $\Delta \leq 5$ for Monochrome	0,4	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 A2:	22,4		
Average value of the 2 areas F comparing print V2:	20,8		
Difference is not higher than $\Delta \leq 5$ for Monochrome	1,6	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:	22,4		
Average value of the 2 areas F comparing print V3:	21,5		
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	93,5	86,7	77,1	23,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,7	4,1	8,7	2
Comparing print V1				
Color values 1 6 A F	1	6	A	F
after 50 pages	92,3	86,9	75,4	22,1

Color values 1 6 A F	1	6	A	F
The biggest deviation	1,5	1,8	1,7	3,1
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0,2	2,3	7	1,1
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	93,8	84,9	72,8	22
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,4	0,7	1,2	1,2
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	93,3	83,6	69,5	19,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,7	2	2,3	3,3
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	1,3	1,1	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	92,8	84,3	71,8	21,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,7	1,7	3,7	2,5
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	93,2	82,3	69,1	20,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	2,5	1,1	2,6
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0,1	0,8	2,6	0,1
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