



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

**Test print A2 BLACK**

Color values 1 6 A F	1	6	A	F
after 50 pages	88,7	71,1	51,4	31,5
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,6	2,4	2	1,8
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	88,3	73,2	53,6	31,7
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,8	4,2	5,2	3,9
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	0	1,8	3,2	2,1
Difference within allowed parameters	YES	YES	YES	YES

**Test print A3 BLACK**

Color values 1 6 A F	1	6	A	F
after 50 pages	88,2	70,1	50,9	29,6
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,9	1,9	2,3	0,7
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	88,7	72,6	53,6	32
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,6	3,1	6,5	4,7
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	0,3	1,2	4,2	4
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 color differences in between the acceptable parameters (pattern B2-B5)  $\Delta E \leq 8$ ?  
Yes  
If not: Describe deviation

**Checking the background (5.6.6)**

Is the background smudge between the acceptable parameters (pattern B1-B5)?  
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-B5)?  
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**



Manufacturer (trade mark):	<b>PRPS</b>	Type/Model OEM:	<b>CF381A</b>
Lot/Part number:	<b>4236296</b>	Toner color(s):	<b>CYAN</b>
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	2700		
Test device:	CNB8J3SLHC / CNB8G8V9T8 / CNB8J3SM0Z	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	24	Relative humidity: 44	
Temperature:	24	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic		
Test date:	<b>20/07/2018</b>		

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 3503		Yes	Sample 1
2 3374		Yes	Sample 2
3 3543		Yes We use for A1 the	Sample 3
4 3405		Yes MAX, for A2 the	Sample 4
5 3729		Yes MEDIAN and for A3 the	Sample 5
6 3823		Yes MIN value of the list at	Sample 6
7 3070		Yes left	Sample 7
8 3035		Yes	Sample 8
9 3123		Yes	Sample 9
Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
OEM data taken from OEMs own ISO19752 or ISO19798 declarations of yield	1 2700	Yes/no Yes	OEM Sample/Spec
	2 2700	Yes/no Yes	OEM Sample/Spec
	3 2700	Yes/no Yes	OEM Sample/Spec
	4	Yes/no	
	5	Yes/no	

#### 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

Yes/no Not Applicable

Is there a test report about the AMES test of the used toner?

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)

##### CYAN

1	2	3	Average ( $\bar{A}$ or V)
Yield A: (A1+A2+A3)/3= $\bar{A}$	3823	3405	3035
Yield V: (V1+V2+V3)/3=V	2700	2700	2700

##### 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 V

Reference to the test protocol:

Test date:

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

		1,27

Yes

No

Not Applicable

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: 55,2

Yes/No/Not Applicable Not Applicable

Average value of the 2 areas F comparing print V1: 51,3

Yes/No/Not Applicable Yes

Difference is not higher than  $\Delta \leq 5$  for Monochrom

Color difference  $\Delta E \leq 18$  for Color

3,9

Not Applicable

Average value of the 2 areas F test print A2: 55,8

Not Applicable

Average value of the 2 areas F comparing print V2: 51,5

Yes

Difference is not higher than  $\Delta \leq 5$  for Monochrom

Color difference  $\Delta E \leq 18$  for Color

4,3

Not Applicable

Average value of the 2 areas F test print A3: 53,4

Not Applicable

Average value of the 2 areas F comparing print V3: 51,6

Yes

Difference is not higher than  $\Delta \leq 5$  for Monochrom

Color difference  $\Delta E \leq 18$  for Color

1,8

Not Applicable

Yes

#### Checking the fade (5.6.3)

##### CYAN

##### Test print A1

Color values 1 6 A F after 50 pages	1	6	A	F
	89,2	77,3	56,5	54,8

Color values 1 6 A F The biggest deviation	1	6	A	F
	1,2	1,5	1,9	1

Comparing print V1	1	6	A	F
	88,5	77,3	54,9	51,7

Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	2,5	1,8	0,8
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	0,6	1	0,1	0,2
Difference within allowed parameters	YES	YES	YES	YES

**Test print A2 CYAN**

Color values 1 6 A F	1	6	A	F
after 50 pages	88,1	76,6	56,6	55,6
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,7	1	1,3	0,5
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,7	77,1	54,9	51,6
Color values 1 6 A F	1	6	A	F
The biggest deviation	2,2	2,3	1,7	0,4
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	2	1,3	0,4	0,1
Difference within allowed parameters	YES	YES	YES	YES

**Test print A3 CYAN**

Color values 1 6 A F	1	6	A	F
after 50 pages	87,7	76,1	55,3	53,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,4	1,1	1,3	0,6
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	89,6	77,4	55,1	51,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,6	2,1	1,8	0,5
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	0,2	1	0,5	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 color differences in between the acceptable parameters (pattern B2-B5)  $\Delta E \leq 8$ ?  
Yes  
If not: Describe deviation

**Checking the background (5.6.6)**

Is the background smudge between the acceptable parameters (pattern B1-B5)?  
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-B5)?  
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**



Manufacturer (trade mark):	<b>PRPS</b>	Type/Model OEM:	<b>CF382A</b>
Lot/Part number:	<b>4236319</b>	Toner color(s):	<b>YELLOW</b>
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	2700		
Test device:	CNB8J3SLHC / CNB8G8V9T8 / CNB8J3SM0Z	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	24	Relative humidity: 44	
Temperature:	24	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic		
Test date:	<b>20/07/2018</b>		

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 4123		Yes	Sample 1
2 4005		Yes	Sample 2
3 3961		Yes We use for A1 the	Sample 3
4 4009		Yes MAX, for A2 the	Sample 4
5 3987		Yes MEDIAN and for A3 the	Sample 5
6 3924		Yes MIN value of the list at	Sample 6
7 3967		Yes left	Sample 7
8 3845		Yes	Sample 8
9 3789		Yes	Sample 9
Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
OEM data taken from OEMs own ISO19752 or ISO19798 declarations of yield	1 2700 2 2700 3 2700 4 5	Yes/no Yes Yes/no Yes Yes/no Yes	OEM Sample/Spec OEM Sample/Spec OEM Sample/Spec  

#### 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

Yes/no  Not Applicable

Is there a test report about the AMES test of the used toner?

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)

##### YELLOW

	1	2	3	Average ( $\bar{A}$ or V)
Yield A: (A1+A2+A3)/3= $\bar{A}$	4123	3967	3789	3960
Yield V: (V1+V2+V3)/3=V	2700	2700	2700	2700

##### 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 V

Reference to the test protocol:

Test date:

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

		1,47

Yes

No

Not Applicable

Is the expected yield (EZ) reached?

Is the expected page yield reached?

#### Checking the black print/Color reproduction (5.6.2)

Average value of the 2 areas F test print A1: 87,2

Average value of the 2 areas F comparing print V1: 89,2

Difference is not higher than  $\Delta \leq 5$  for Monochrom

Color difference  $\Delta E \leq 18$  for Color

Yes/No/Not Applicable

Not Applicable

Yes

Average value of the 2 areas F test print A2: 86,8

Average value of the 2 areas F comparing print V2: 89,3

Difference is not higher than  $\Delta \leq 5$  for Monochrom

Color difference  $\Delta E \leq 18$  for Color

Yes/No/Not Applicable

Not Applicable

Yes

Average value of the 2 areas F test print A3: 87,7

Average value of the 2 areas F comparing print V3: 89,5

Difference is not higher than  $\Delta \leq 5$  for Monochrom

Color difference  $\Delta E \leq 18$  for Color

Yes/No/Not Applicable

Not Applicable

Yes

#### Checking the fade (5.6.3)

##### YELLOW

##### Test print A1

Color values 1 6 A F	1	6	A	F
after 50 pages	91,8	88,6	87,9	87,6

Color values 1 6 A F	1	6	A	F
The biggest deviation	1,5	0,5	1,3	0,9

Comparing print V1	1	6	A	F
Color values 1 6 A F	90,9	91	89,7	89,1

Color values 1 6 A F	1	6	A	F
The biggest deviation	2,4	0,6	0,4	0,5
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	0,9	0,1	0,9	0,4
Difference within allowed parameters	YES	YES	YES	YES

**Test print A2 YELLOW**

Color values 1 6 A F	1	6	A	F
after 50 pages	91,6	89,8	88,1	87,5
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,8	1,9	2	1,2
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	92,3	91,1	89,9	89,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,2	0,6	0,3	0,4
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	1	1,3	1,7	0,8
Difference within allowed parameters	YES	YES	YES	YES

**Test print A3 YELLOW**

Color values 1 6 A F	1	6	A	F
after 50 pages	90,5	89,4	88	87,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	3,2	0,6	0,4	0,6
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	91,1	91,5	89,8	89,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,1	0,1	0,4	0,6
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	2,1	0,5	0	0
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 color differences in between the acceptable parameters (pattern B2-B5)  $\Delta E \leq 8$ ?  
Yes  
If not: Describe deviation

**Checking the background (5.6.6)**

Is the background smudge between the acceptable parameters (pattern B1-B5)?  
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-B5)?  
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**



Manufacturer (trade mark):	<b>PRPS</b>	Type/Model OEM:	<b>CF383A</b>
Lot/Part number:	<b>4236302</b>	Toner color(s):	<b>MAGENTA</b>
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	2700		
Test device:	CNB8J3SLHC / CNB8G8V9T8 / CNB8J3SM0Z	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	24	Relative humidity: 44	
Temperature:	24	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic		
Test date:	<b>20/07/2018</b>		

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 3708		Yes	Sample 1
2 3359		Yes	Sample 2
3 3482		Yes We use for A1 the	Sample 3
4 3610		Yes MAX, for A2 the	Sample 4
5 3725		Yes MEDIAN and for A3 the	Sample 5
6 3788		Yes MIN value of the list at	Sample 6
7 3858		Yes left	Sample 7
8 3325		Yes	Sample 8
9 3369		Yes	Sample 9
Comparing Sample (B)	Type	Used for valuation	Charge/Serial number
OEM data taken from OEMs own ISO19752 or ISO19798 declarations of yield	1 2700	Yes/no Yes	OEM Sample/Spec
	2 2700	Yes/no Yes	OEM Sample/Spec
	3 2700	Yes/no Yes	OEM Sample/Spec
	4	Yes/no	
	5	Yes/no	

#### 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

Yes/no Not Applicable

Is there a test report about the AMES test of the used toner?

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)

**MAGENTA**

1	2	3	Average ( $\bar{A}$ or V)
Yield A: (A1+A2+A3)/3= $\bar{A}$	3858	3610	3325
Yield V: (V1+V2+V3)/3=V	2700	2700	2700

**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 V

Reference to the test protocol:

Test date:

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

		1,33

Yes	No	Not Applicable
YES		
YES		

Is the expected yield (EZ) reached?

Is the expected page yield reached?

#### Checking the black print/Color reproduction (5.6.2)

Average value of the 2 areas F test print A1: 46,3  
Average value of the 2 areas F comparing print V1: 49

Yes/No/Not Applicable Not Applicable  
Yes/No/Not Applicable Yes

Difference is not higher than  $\Delta \leq 5$  for Monochrom  
Color difference  $\Delta E \leq 18$  for Color 2,7

Average value of the 2 areas F test print A2: 45,3  
Average value of the 2 areas F comparing print V2: 49

Yes/No/Not Applicable Not Applicable  
Yes/No/Not Applicable Yes

Difference is not higher than  $\Delta \leq 5$  for Monochrom  
Color difference  $\Delta E \leq 18$  for Color 3,7

Average value of the 2 areas F test print A3: 47,3  
Average value of the 2 areas F comparing print V3: 48,8

Yes/No/Not Applicable Not Applicable  
Yes/No/Not Applicable Yes

Difference is not higher than  $\Delta \leq 5$  for Monochrom  
Color difference  $\Delta E \leq 18$  for Color 1,5

#### Checking the fade (5.6.3)

**MAGENTA**

**Test print A1**

Color values 1 6 A F	1	6	A	F
after 50 pages	89,1	76,2	63	47,4

Color values 1 6 A F	1	6	A	F
The biggest deviation	2,2	4,1	2,5	1,7

Comparing print V1	1	6	A	F
Color values 1 6 A F	88,8	78,8	65,7	49,6

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

**Test print A2 MAGENTA**

Color values 1 6 A F	1	6	A	F
after 50 pages	87,9	76	64,2	46,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,9	4,2	5,1	2,4
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,2	78,9	66,7	49,7
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,6	2,1	3,5	1,4
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	1	2,1	1,6	1
Difference within allowed parameters	YES	YES	YES	YES

**Test print A3 MAGENTA**

Color values 1 6 A F	1	6	A	F
after 50 pages	88,4	75,2	61,2	47,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,9	0,9	2,7	0,6
<b>Comparing print V2</b>				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,1	79,3	66,9	49,3
Color values 1 6 A F	1	6	A	F
The biggest deviation	0,8	2,5	3,5	0,9
<b>Result determination</b>	1	6	A	F
Difference $\Delta L \leq 8$	1,1	1,6	0,8	0,3
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 color differences in between the acceptable parameters (pattern B2-B5)  $\Delta E \leq 8$ ?  
Yes  
If not: Describe deviation

**Checking the background (5.6.6)**

Is the background smudge between the acceptable parameters (pattern B1-B5)?  
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-B5)?  
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**