



Manufacturer (trade mark):	PRPS	Type/Model OEM:	CE310A
Lot/Part number:	4215406	Toner color(s):	BLACK
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	1200		
Test device:	CNCHD11021 / CNCHC44320 / CNCHC48604	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	22	Relative humidity: 43	
Temperature:	22	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	0		
Test date:	07/09/2012		

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 1590		Yes	Sample 1
2 1680		Yes	Sample 2
3 1400		Yes We use for A1 the	Sample 3
4 1360		Yes MAX, for A2 the	Sample 4
5 1452		Yes MEDIAN and for A3 the	Sample 5
6 1280		Yes MIN value of the list at	Sample 6
7 1487		Yes left	Sample 7
8 1510		Yes	Sample 8
9 1522		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 1200	Yes/no Yes	OEM Sample/Spec
	2 1200	Yes/no Yes	OEM Sample/Spec
	3 1200	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)

BLACK

1	2	3	Average (\bar{A} or V)
Yield A: (A1+A2+A3)/3= \bar{A}	1680	1487	1280
Yield V: (V1+V2+V3)/3=V	1200	1200	1200

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

		1,24

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:	0
Average value of the 2 areas F comparing print V1:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0
Average value of the 2 areas F test print A2:	0
Average value of the 2 areas F comparing print V2:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0
Average value of the 2 areas F test print A3:	0
Average value of the 2 areas F comparing print V3:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0

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

Checking the fade (5.6.3)

BLACK

Test print A1		Comparing print V1	
Color values 1 6 A F after 50 pages	1 0	6 0	A 0 F 0
Color values 1 6 A F The biggest deviation	1 0	6 0	A 0 F 0
Color values 1 6 A F after 50 pages	1 0	6 0	A 0 F 0

Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	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):	PRPS	Type/Model OEM:	CE311A
Lot/Part number:	4216908	Toner color(s):	CYAN
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	1000		
Test device:	CNCHD11021 / CNCHC44320 / CNCHC48604	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	22	Relative humidity: 43	
Temperature:	22	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	0		
Test date:	07/09/2012		

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 1178		Yes	Sample 1
2 1207		Yes	Sample 2
3 1241		Yes We use for A1 the	Sample 3
4 1082		Yes MAX, for A2 the	Sample 4
5 1150		Yes MEDIAN and for A3 the	Sample 5
6 1010		Yes MIN value of the list at	Sample 6
7 1156		Yes left	Sample 7
8 1247		Yes	Sample 8
9 1190		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 1000 2 1000 3 1000 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)

CYAN

1	2	3	Average (\bar{A} or V)
Yield A: (A1+A2+A3)/3= \bar{A}	1247	1178	1010
Yield V: (V1+V2+V3)/3=V	1000	1000	1000

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

		1,15

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:	0
Average value of the 2 areas F comparing print V1:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0
Average value of the 2 areas F test print A2:	0
Average value of the 2 areas F comparing print V2:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0
Average value of the 2 areas F test print A3:	0
Average value of the 2 areas F comparing print V3:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0

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

Checking the fade (5.6.3)

CYAN

Test print A1		Comparing print V1	
Color values 1 6 A F after 50 pages	1 0	6 0	A 0 F 0
Color values 1 6 A F The biggest deviation	1 0	6 0	A 0 F 0
Color values 1 6 A F after 50 pages	1 0	6 0	A 0 F 0

Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	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):	PRPS	Type/Model OEM:	CE313A
Lot/Part number:	4215420	Toner color(s):	MAGENTA
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	1000		
Test device:	CNCHD11021 / CNCHC44320 / CNCHC48604	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	22	Relative humidity: 43	
Temperature:	22	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	0		
Test date:	07/09/2012		

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 1245		Yes	Sample 1
2 1214		Yes	Sample 2
3 1247		Yes We use for A1 the	Sample 3
4 1256		Yes MAX, for A2 the	Sample 4
5 1082		Yes MEDIAN and for A3 the	Sample 5
6 1082		Yes MIN value of the list at	Sample 6
7 1129		Yes left	Sample 7
8 1207		Yes	Sample 8
9 1209		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 1000	Yes/no Yes	OEM Sample/Spec
	2 1000	Yes/no Yes	OEM Sample/Spec
	3 1000	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}	1256	1209	1082
Yield V: (V1+V2+V3)/3=V	1000	1000	1000

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

		1,18

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:

0

Average value of the 2 areas F comparing print V1:

0

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

Yes/No/Not Applicable

Not Applicable

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

Yes/No/Not Applicable

Yes

Average value of the 2 areas F test print A2:

0

Average value of the 2 areas F comparing print V2:

0

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

Yes/No/Not Applicable

Not Applicable

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

Yes/No/Not Applicable

Yes

Average value of the 2 areas F test print A3:

0

Average value of the 2 areas F comparing print V3:

0

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

Yes/No/Not Applicable

Not Applicable

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

Yes/No/Not Applicable

Yes

Checking the fade (5.6.3)

MAGENTA

Test print A1

Color values 1 6 A F after 50 pages	1	6	A	F	0
Color values 1 6 A F The biggest deviation	1	6	A	F	0
Comparing print V1	0	0	0	0	0
Color values 1 6 A F after 50 pages	1	6	A	F	0

Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	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):	PRPS	Type/Model OEM:	CE312A
Lot/Part number:	4215437	Toner color(s):	YELLOW
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	1000		
Test device:	CNCHD11021 / CNCHC44320 / CNCHC48604	Take over value of existing test protocol : (box) Yes, from ISO19798	
Test climate:	22	Relative humidity: 43	
Temperature:	22	Test location 2: SERBIA	
Deviations of the determined test conditions			
Tester 1):	0		
Test date:	07/09/2012		

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 1163		Yes	Sample 1
2 1154		Yes	Sample 2
3 1247		Yes We use for A1 the	Sample 3
4 1147		Yes MAX, for A2 the	Sample 4
5 1106		Yes MEDIAN and for A3 the	Sample 5
6 1090		Yes MIN value of the list at	Sample 6
7 1124		Yes left	Sample 7
8 1256		Yes	Sample 8
9 1111		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 1000 2 1000 3 1000 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}	1256	1147	1090
Yield V: (V1+V2+V3)/3=V	1000	1000	1000

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

		1,16

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:	0
Average value of the 2 areas F comparing print V1:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0
Average value of the 2 areas F test print A2:	0
Average value of the 2 areas F comparing print V2:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0
Average value of the 2 areas F test print A3:	0
Average value of the 2 areas F comparing print V3:	0
Difference is not higher than $\Delta \leq 5$ for Monochrom	Not Applicable
Color difference $\Delta E \leq 18$ for Color	0

Yes/No/Not Applicable

Not Applicable

Yes/No/Not Applicable

Yes

Yes/No/Not Applicable

Yes

Yes/No/Not Applicable

Yes

Yes/No/Not Applicable

Yes

Checking the fade (5.6.3)

YELLOW

Test print A1

Color values 1 6 A F after 50 pages	1	6	A	F	0
Color values 1 6 A F The biggest deviation	1	6	A	F	0
Comparing print V1	0	0	0	0	0
Color values 1 6 A F after 50 pages	1	6	A	F	0

Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	0	0
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	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	0	0	0	0
Color values 1 6 A F	1	6	A	F
The biggest deviation	0	0	0	0
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0	0	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