



Manufacturer (trade mark):	PRPS	Type/Model OEM:	CLT-K506L/ELS
Lot/Part number:	4235138	Toner color(s):	BLACK
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	6000		
Test device:	Z6Z2BJECB00078Z / Z6Z2BJEF1000DGR / Z6Z2BJEF1000DXJ		
Test climate:			
Temperature:	23		
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic		
Test date:	15/11/2015		

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 6523		Yes	Sample 1
2 6478		Yes	Sample 2
3 6900		Yes We use for A1 the	Sample 3
4 6354		Yes MAX, for A2 the	Sample 4
5 6258		Yes MEDIAN and for A3 the	Sample 5
6 6705		Yes MIN value of the list at	Sample 6
7 6058		Yes left	Sample 7
8 6321		Yes	Sample 8
9 6389		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 6000 2 6000 3 6000 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)

BLACK

1	2	3	Average (\bar{A} or V)
Yield A: (A1+A2+A3)/3= \bar{A} Yield V: (V1+V2+V3)/3=V	6900 6000	6389 6000	6058 6000
Alternative:			6449 6000

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	0,7
Yes	No
YES	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: 33,3
Average value of the 2 areas F comparing print V1: 29,2

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

Yes
Yes

Average value of the 2 areas F test print A2: 31,3
Average value of the 2 areas F comparing print V2: 27,8

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

Average value of the 2 areas F test print A3: 33,8
Average value of the 2 areas F comparing print V3: 27,6

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

6,2

Checking the fade (5.6.3)

BLACK

Test print A1

Color values 1 6 A F after 50 pages	1	6	A	F
	86,1	73,8	57,2	37,7

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

Comparing print V1 Color values 1 6 A F after 50 pages	1	6	A	F
	86,5	71,9	53,6	31

Color values 1 6 A F	1	6	A	F
The biggest deviation	2,5	2	4,3	3,6
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0,8	2,6	2,2	4
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	84,5	70,6	53,7	34,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	4	8,9	9,9	9
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	86,6	70,7	52	30,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	1	3,9	5,4	4,8
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	3	5	4,5	4,2
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	86,3	74,8	60,1	36,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	3,6	4,9	8	5,6
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	82,6	68	50,1	28,7
Color values 1 6 A F	1	6	A	F
The biggest deviation	4,6	2,9	2,7	3,1
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	1	2	5,3	2,5
Difference within allowed parameters	YES	YES	YES	YES

Checking toner adhesion

Test process: visual (tape method):

Is the resistance in between the acceptable parameters?
If not: Describe deviation

Yes

Checking the grey page/color uniformity (5.6.5)

Are the color differences in between the acceptable parameters (pattern B2-B5) $\Delta E \leq 8$?
If not: Describe deviation

Yes

Checking the background (5.6.6)

Is the background smudge between the acceptable parameters (pattern B1-B5)?
If not: Describe deviation

Yes

Checking the ghosting (5.6.7)

Is the repeating of the back rectangles in between the acceptable parameters (pattern B2-B5)?
If not: Describe deviation

Yes

Checking toner miscibility (5.6.8)

Is the toner miscibility given?
If not: Describe deviation

N/A

OVERALL RESULT: Passed



Manufacturer (trade mark):	PRPS	Type/Model OEM:	CLT-C506L/ELS
Lot/Part number:	4235145	Toner color(s):	CYAN
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	3500		
Test device:	Z6Z2BJECB00078Z / Z6Z2BJEF1000DGR / Z6Z2BJEF1000DXJ		
Test climate:			
Temperature:	23		
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic	Relative humidity:	44
Test date:	15/11/2015	Test location 2):	SERBIA

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 3845		Yes	Sample 1
2 3905		Yes	Sample 2
3 3697		Yes We use for A1 the	Sample 3
4 3715		Yes MAX, for A2 the	Sample 4
5 3694		Yes MEDIAN and for A3 the	Sample 5
6 3825		Yes MIN value of the list at	Sample 6
7 4112		Yes left	Sample 7
8 3696		Yes	Sample 8
9 3784		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 3500 2 3500 3 3500 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}	4112	3784	3694	3863
Yield V: (V1+V2+V3)/3=V	3500	3500	3500	3500

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

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1,10

Yes

No

Not Applicable

YES

YES

Checking the black print/Color reproduction (5.6.2)

Average value of the 2 areas F test print A1: 48,1
Average value of the 2 areas F comparing print V1: 49,8

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 1,7

Average value of the 2 areas F test print A2: 46,4
Average value of the 2 areas F comparing print V2: 45,5

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 0,9

Average value of the 2 areas F test print A3: 47,1
Average value of the 2 areas F comparing print V3: 44,6

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 2,5

Checking the fade (5.6.3)

CYAN

Test print A1

Color values 1 6 A F after 50 pages	1	6	A	F
	84,7	67,9	52,3	50,4

Color values 1 6 A F The biggest deviation	1	6	A	F
	5,8	5,9	3,7	4,4

Comparing print V1	1	6	A	F
	87,4	70,6	52,9	50,2

Color values 1 6 A F	1	6	A	F
The biggest deviation	2,4	2,3	0,7	1
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	3,4	3,6	3	3,4
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	81,8	63	49,9	46,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	4,7	3,1	2	0,8
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	84,5	66	48,4	46,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,3	1,9	0,9	1,5
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	3	1,2	1,1	0,7
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	85,3	66,2	51,5	49
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,3	2,1	3,9	4,6
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	80,4	61,6	49,1	46,7
Color values 1 6 A F	1	6	A	F
The biggest deviation	3,6	1	3,7	3,8
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	2,3	1,1	0,2	0,8
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:	CLT-M506L/ELS
Lot/Part number:	4235152	Toner color(s):	MAGENTA
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	3500		
Test device:	Z6Z2BJECB00078Z / Z6Z2BJEF1000DGR / Z6Z2BJEF1000DXJ		
Test climate:			
Temperature:	23		
Deviations of the determined test conditions			
Tester 1):	Aleksandar Kojic		
Test date:	15/11/2015		

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 3526		Yes	Sample 1
2 3785		Yes	Sample 2
3 3694		Yes We use for A1 the	Sample 3
4 3785		Yes MAX, for A2 the	Sample 4
5 3648		Yes MEDIAN and for A3 the	Sample 5
6 3509		Yes MIN value of the list at	Sample 6
7 3926		Yes left	Sample 7
8 3825		Yes	Sample 8
9 3715		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 3500	Yes/no Yes	OEM Sample/Spec
	2 3500	Yes/no Yes	OEM Sample/Spec
	3 3500	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}	3926	3715	3509
Yield V: (V1+V2+V3)/3=V	3500	3500	3500

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

		1,06

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: 45,2

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

Average value of the 2 areas F comparing print V1: 48,8

Yes/No/Not Applicable **Yes**

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

Not Applicable

Not Applicable

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

3,6

Yes

Average value of the 2 areas F test print A2: 44,6

Yes/No/Not Applicable

Average value of the 2 areas F comparing print V2: 45,8

Yes/No/Not Applicable

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

Not Applicable

Not Applicable

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

1,2

Yes

Average value of the 2 areas F test print A3: 44,5

Yes/No/Not Applicable

Average value of the 2 areas F comparing print V3: 44,5

Yes/No/Not Applicable

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

Not Applicable

Not Applicable

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

0

Yes

Checking the fade (5.6.3)

MAGENTA

Test print A1

Color values 1 6 A F	1	6	A	F
after 50 pages	86,5	73,7	63,6	46,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	3,4	2,2	2,7	2,9
Comparing print V1				
Color values 1 6 A F	1	6	A	F
after 50 pages	88	75,7	65,4	49,9

Color values 1 6 A F	1	6	A	F
The biggest deviation	2,2	0,9	1,6	2
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	1,2	1,3	1,1	0,9
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	84,4	70,7	60,4	43,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	5,3	3,7	1,3	1,9
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	86,7	73,1	62,9	47,8
Color values 1 6 A F	1	6	A	F
The biggest deviation	2,4	1	1,8	3,5
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	3	2,7	0,5	1,6
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	87,8	70,6	60,3	45,2
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,8	2,3	3,7	1,5
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	82,6	68,1	58,5	46,6
Color values 1 6 A F	1	6	A	F
The biggest deviation	4,6	1,4	1,2	3,8
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	2,8	0,9	2,5	2,3
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

Color values 1 6 A F	1	6	A	F
The biggest deviation	1,9	1	1,1	0,7
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	0,3	0,6	0,4	0,8
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	90,7	90	88,1	86,4
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,8	1,7	1,6	2,1
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	90,7	89,9	87,6	85,9
Color values 1 6 A F	1	6	A	F
The biggest deviation	2,7	1	1,3	1
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	1	0,7	0,3	1,1
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	92	90	87,7	86,1
Color values 1 6 A F	1	6	A	F
The biggest deviation	1,5	0,5	0,9	0,7
Comparing print V2				
Color values 1 6 A F	1	6	A	F
after 50 pages	89,7	87,5	84,8	83,5
Color values 1 6 A F	1	6	A	F
The biggest deviation	3,5	2,9	1,5	0,6
Result determination	1	6	A	F
Difference $\Delta L \leq 8$	2	2,4	0,6	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?
If not: Describe deviation

Yes

Checking the grey page/color uniformity (5.6.5)

Are the color differences in between the acceptable parameters (pattern B2-B5) $\Delta E \leq 8$?
If not: Describe deviation

Yes

Checking the background (5.6.6)

Is the background smudge between the acceptable parameters (pattern B1-B5)?
If not: Describe deviation

Yes

Checking the ghosting (5.6.7)

Is the repeating of the back rectangles in between the acceptable parameters (pattern B2-B5)?
If not: Describe deviation

Yes

Checking toner miscibility (5.6.8)

Is the toner miscibility given?
If not: Describe deviation

N/A

OVERALL RESULT: Passed