Manufacturer (trade mark):	**PRPS**
Lot/Part number:	*4234414*
Main application:	To be used on the relevant printers according to remanufacturer instructions
Intended yield:	3500

Type/Model OEM:	44469803
Toner color(s):	**BLACK**

Test device: AK12010417 / N/A / N/A

Take over value of existing test protocol : (box) Yes, from ISO19798

Test climate:
Temperature: 22 Relative humidity: 44
Deviations of the determined test conditions
Tester 1): 0 Test location 2): **SERBIA**
Test date: **20/05/2016**

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	3614		Yes		Sample 1
2	3700		Yes		Sample 2
3	3750		Yes	We use for A1 the	Sample 3
4	3716		Yes	MAX, for A2 the	Sample 4
5	3650		Yes	MEDIAN and for A3 the	Sample 5
6	3580		Yes	MIN value of the list at	Sample 6
7	3591		Yes	left	Sample 7
8	3584		Yes		Sample 8
9	3604		Yes		Sample 9

Comparing Sample (B)

	Type	Used for valuation		Charge/Serial number
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		

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) BLACK

	1	2	3	Average (Ā or V)
Yield A: (A1+A2+A3)/3= Ā	3750	3614	3580	3648
Yield V: (V1+V2+V3)/3=V	3500	3500	3500	3500

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	1,04

	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:	0		
Average value of the 2 areas F comparing print V1:	0		
Difference is not higher than Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	Yes

Checking the fade (5.6.3) BLACK

Test print A1

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 V1

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 ΔL≤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 ΔL≤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 ΔL≤8	0	0	0	0
Difference within allowed parameters	YES	YES	YES	YES

Checking toner adhesition
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 diferences in between the acceptable
parameters (pattern B2-B5) ΔE≤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:	44469706
Lot/Part number:	*4234421*	Toner color(s):	**CYAN**

Main application: To be used on the relevant printers according to remanufacturer instructions

Intended yield: 2000

Test device: AK12010417 / N/A / N/A

Take over value of existing test protocol : (box) Yes, from ISO19798

Test climate:

Temperature:	22	Relative humidity:	44

Deviations of the determined test conditions

Tester 1):	0	Test location 2):	**SERBIA**

Test date: **20/05/2016**

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	2154		Yes		Sample 1
2	2111		Yes		Sample 2
3	2145		Yes	We use for A1 the	Sample 3
4	2236		Yes	MAX, for A2 the	Sample 4
5	2208		Yes	MEDIAN and for A3 the	Sample 5
6	2247		Yes	MIN value of the list at	Sample 6
7	2290		Yes	left	Sample 7
8	2269		Yes		Sample 8
9	2284		Yes		Sample 9

Comparing Sample (B)		Type	Used for valuation		Charge/Serial number
1		2000	Yes/no	Yes	OEM Sample/Spec
2		2000	Yes/no	Yes	OEM Sample/Spec
3		2000	Yes/no	Yes	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: 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 (Ā or V)
Yield A: (A1+A2+A3)/3= Ā	2290	2236	2111	2212
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	1,11

	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:	0
Average value of the 2 areas F comparing print V1:	0

Difference is not higher than Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	Yes

Checking the fade (5.6.3)   CYAN

Test print A1

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 V1

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 ΔL≤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 ΔL≤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 ΔL≤8	0	0	0	0
Difference within allowed parameters	YES	YES	YES	YES

Checking toner adhesition
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 diferences in between the acceptable
parameters (pattern B2-B5) ΔE≤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)
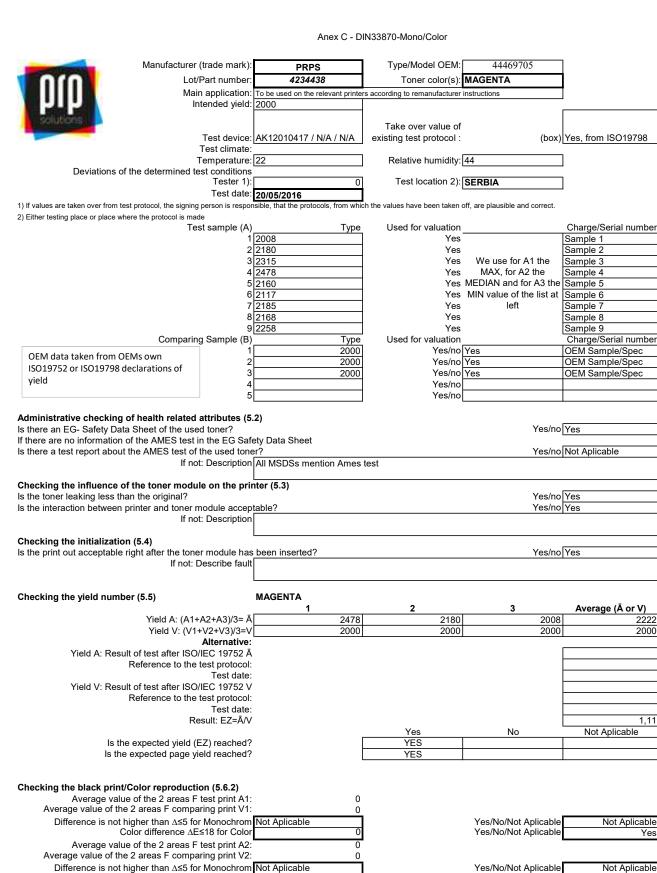Is the toner miscibility given?   N/A
If not: Describe deviation

OVERALL RESULT: Passed

Manufacturer (trade mark):	**PRPS**	Type/Model OEM:	44469705
Lot/Part number:	*4234438*	Toner color(s):	**MAGENTA**

Main application: To be used on the relevant printers according to remanufacturer instructions
Intended yield: 2000

Test device: AK12010417 / N/A / N/A
Take over value of existing test protocol : (box) Yes, from ISO19798
Test climate:
Temperature: 22   Relative humidity: 44
Deviations of the determined test conditions
Tester 1): 0   Test location 2): **SERBIA**
Test date: **20/05/2016**

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	2008	Yes		Sample 1
	2	2180	Yes		Sample 2
	3	2315	Yes	We use for A1 the	Sample 3
	4	2478	Yes	MAX, for A2 the	Sample 4
	5	2160	Yes	MEDIAN and for A3 the	Sample 5
	6	2117	Yes	MIN value of the list at	Sample 6
	7	2185	Yes	left	Sample 7
	8	2168	Yes		Sample 8
	9	2258	Yes		Sample 9

Comparing Sample (B)		Type	Used for valuation		Charge/Serial number
	1	2000	Yes/no	Yes	OEM Sample/Spec
	2	2000	Yes/no	Yes	OEM Sample/Spec
	3	2000	Yes/no	Yes	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 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 (Ā or V)
Yield A: (A1+A2+A3)/3= Ā	2478	2180	2008	2222
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	1,11

	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:	0		
Average value of the 2 areas F comparing print V1:	0		
Difference is not higher than Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	Yes

Checking the fade (5.6.3)   MAGENTA

Test print A1
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 V1
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 ΔL≤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 ΔL≤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 ΔL≤8	0	0	0	0
Difference within allowed parameters	YES	YES	YES	YES

Checking toner adhesition
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 diferences in between the acceptable parameters (pattern B2-B5) ΔE≤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**

prp

Manufacturer (trade mark):	**PRPS**	Type/Model OEM:	44469704
Lot/Part number:	*4234445*	Toner color(s):	**YELLOW**
Main application:	To be used on the relevant printers according to remanufacturer instructions		
Intended yield:	2000		

Test device:	AK12010417 / N/A / N/A	Take over value of existing test protocol : (box)	Yes, from ISO19798
Test climate:		
Temperature:	22	Relative humidity: 44
Deviations of the determined test conditions		
Tester 1):	0	Test location 2): **SERBIA**
Test date:	**20/05/2016**	

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	2107	Yes		Sample 1
2	2159	Yes		Sample 2
3	2421	Yes	We use for A1 the	Sample 3
4	2314	Yes	MAX, for A2 the	Sample 4
5	2215	Yes	MEDIAN and for A3 the	Sample 5
6	2180	Yes	MIN value of the list at	Sample 6
7	2215	Yes	left	Sample 7
8	2200	Yes		Sample 8
9	2150	Yes		Sample 9

Comparing Sample (B)	Type	Used for valuation		Charge/Serial number
1	2000	Yes/no	Yes	OEM Sample/Spec
2	2000	Yes/no	Yes	OEM Sample/Spec
3	2000	Yes/no	Yes	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	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 (Ā or V)
Yield A: (A1+A2+A3)/3= Ā	2421	2200	2107	2243
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				1,12

	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:	0		
Average value of the 2 areas F comparing print V1:	0		
Difference is not higher than Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	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 Δ≤5 for Monochrom	Not Aplicable	Yes/No/Not Aplicable	Not Aplicable
Color difference ΔE≤18 for Color	0	Yes/No/Not Aplicable	Yes

Checking the fade (5.6.3)   YELLOW

Test print A1

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 V1

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 ΔL≤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 ΔL≤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 ΔL≤8	0	0	0	0
Difference within allowed parameters	YES	YES	YES	YES

Checking toner adhesition

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 diferences in between the acceptable parameters (pattern B2-B5) ΔE≤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