



TEST REPORT

Creation date of report: 29.6.2016

Signature: jelele

TYPE OF TEST: ISO 19752

When cartridge HP CE278A is used in printer HP LJ P1606dn.

Toner Cartridge yield

Average Continuous Black Cartridge Yield 2200 standard pages

Declared Yield value in accordance with ISO/IEC 19752

90% Lower Confidence Black Cartridge 2210 standard pages

Note:

During tests there were temperatures and humidity in accordance with the international standard ISO/IEC 19752.

Condition 24 hours before the start of the tests.

Date Tested:

26.5.2016 - 30.5.2016

For questions concerning testing contact

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Number of Cartridges used in testing:

K009

Number of Cartridges used in calculations

K009

Type of Cartridge

HP CE278A

Shake Procedure Used

Yes

Print mode:

Continuous

Number of engines used in testing:

3

Media Used:

Navigator Universal 80g/m²

Paper Size:

A4

Paper feed orientation:

Short edge feed

Application Software:

Adobe Reader 11.0

Test Page Version

ISO-IEC 19752 - 100 Page Example:2004

Power (off/on) everyday?

Yes

Computer stations and printers:

Station 1.
Computer Model: Pentium(R) Dual-Core 2.60GHz,
Operating System: Windows XP Professional

Station 2.
Pentium(R) Dual-Core 2.60GHz,
Windows XP Professional

Station 3.
Pentium(R) Dual-Core 2.60GHz,
Windows XP Professional

Printer Number 63265
Printer Type HP LJ P1606dn
Printer Serial Number VNC4M07312
Printer Firmware Version 20120130
Driver Version: PCL - 20120831

63064
HP LJ P1606dn
VNC3M57076
20100223
PCL - 20120831

63157
HP LJ P1606dn
VNC3B10787
200910029
PCL - 20120831

Note:

Page yield rounded to 2200.

It's 100 pages more than OEM.

TYPE OF TEST: ISO 19752

Cartridges testing data:

Station 1	Color	Cartidge No.	Internal summary	Cartridge yield	Cartridge used in calculation
1st set	K	16126626428808 - K001	PHI_16_I0128	2 109	Y
	C				
	Y				
	M				
2nd set	K	16126626728808 - K002	PHI_16_I0129	2 218	Y
	C				
	Y				
	M				
3rd set	K	16126628128808 - K003	PHI_16_I0130	2 180	Y
	C				
	Y				
	M				
4th set	K				
	C				
	Y				
	M				
5th set	K				
	C				
	Y				
	M				

Color	Total yield	Avg yield	St Dev	90%LCB	Number cartridges used in calculation
K	6 507	2 169	55	2 076	3
C					
Y					
M					

Station 2	Color	Cartidge No.	Internal summary	Cartridge yield	Cartridge used in calculation
1st set	K	16126626828808 - K004	PHI_16_I0131	2 392	Y
	C				
	Y				
	M				
2nd set	K	16126627928808 - K005	PHI_16_I0132	2 409	Y
	C				
	Y				
	M				
3rd set	K	16126628228808 - K006	PHI_16_I0133	2 545	Y
	C				
	Y				
	M				
4th set	K				
	C				
	Y				
	M				
5th set	K				
	C				
	Y				
	M				

Color	Total yield	Avg yield	St Dev	90%LCB	Number cartridges used in calculation
K	7 346	2 449	84	2 307	3
C					
Y					
M					

Station 3	Color	Cartidge No.	Internal summary	Cartridge yield	Cartridge used in calculation
1st set	K	16126627228808 - K007	PHI_16_I0134	2 224	Y
	C				
	Y				
	M				
2nd set	K	16126627528808 - K008	PHI_16_I0135	2 267	Y
	C				
	Y				
	M				
3rd set	K	16126626528808 - K009	PHI_16_I0136	2 895	Y
	C				
	Y				
	M				
4th set	K				
	C				
	Y				
	M				
5th set	K				
	C				
	Y				
	M				

Color	Total yield	Avg yield	St Dev	90%LCB	Number cartridges used in calculation
K	7 386	2 462	376	1 829	3
C					
Y					
M					

Summary	Color	Cartidges No.	Total	Avg	St Dev	90%LCB	Number cartridges
	K	K001 - K009	21 239	2 360	242	2 210	9
	C						
	Y						
	M						

Note:
Statement OEM 2100 pages.

TYPE OF TEST: ISO 19752

Temperature / Humidity

Thermometer hygrometer data logger
Measuring device Nr.

Comet S3120
12932752 - 12

Date of testing: 25.5.2016 13:00 - 30.5.2016 12:15

	Allowed
Testing Room average temp. [°C]	23,4 23
Testing Room - max. running average temp. [°C]	24,2 26
Testing Room - min. running average temp. [°C]	22,5 20

	Allowed
Testing Room average RH. [%]	53,2 50
Testing Room - max. running average RH [%]	62,9 65
Testing Room - min. running average RH [%]	39,8 35

Cartridges testing data:

Station 1	Color	Cartridge No.	Internal summary	Temperature			Humidity			Cartridge yield	Cartridge used in calculation
				Avg	Max	Min	Avg	Max	Min		
1st set	K	16126626428808 - K001	PHI_16_I0128	23,3	23,9	22,7	53,4	59,5	38,6	2 109	Y
	C	-	-								
	Y	-	-								
	M	-	-								
2nd set	K	16126626728808 - K002	PHI_16_I0129	23,1	23,6	22,8	48,2	56,8	41,9	2 218	Y
	C	-	-								
	Y	-	-								
	M	-	-								
3rd set	K	16126628128808 - K003	PHI_16_I0130	23,3	23,8	22,3	56,6	63,7	40,8	2 180	Y
	C	-	-								
	Y	-	-								
	M	-	-								
4th set	K	-	-								
	C	-	-								
	Y	-	-								
	M	-	-								

Station 2	Color	Cartridge No.	Internal summary	Temperature			Humidity			Cartridge yield	Cartridge used in calculation
				Avg	Max	Min	Avg	Max	Min		
1st set	K	16126626828808 - K004	PHI_16_I0131	23,3	23,9	22,7	52,7	59,5	38,6	2 392	Y
	C	-	-								
	Y	-	-								
	M	-	-								
2nd set	K	16126627928808 - K005	PHI_16_I0132	22,6	23,0	22,3	44,3	52,4	40,8	2 409	Y
	C	-	-								
	Y	-	-								
	M	-	-								
3rd set	K	16126628228808 - K006	PHI_16_I0133	23,6	24,2	22,7	45,3	54,9	40,4	2 545	Y
	C	-	-								
	Y	-	-								
	M	-	-								
4th set	K	-	-								
	C	-	-								
	Y	-	-								
	M	-	-								

Station 3	Color	Cartridge No.	Internal summary	Temperature			Humidity			Cartridge yield	Cartridge used in calculation
				Avg	Max	Min	Avg	Max	Min		
1st set	K	16126627228808 - K007	PHI_16_I0134	23,3	23,9	22,7	53,2	59,5	38,6	2 224	Y
	C	-	-								
	Y	-	-								
	M	-	-								
2nd set	K	16126627528808 - K008	PHI_16_I0135	23,0	23,6	22,3	47,5	56,8	40,8	2 267	Y
	C	-	-								
	Y	-	-								
	M	-	-								
3rd set	K	16126626528808 - K009	PHI_16_I0136	23,5	24,2	22,7	45,9	55,0	40,4	2 895	Y
	C	-	-								
	Y	-	-								
	M	-	-								
4th set	K	-	-								
	C	-	-								
	Y	-	-								
	M	-	-								