

Hewlett Packard

HP Photosmart D5400/D7500 Printer series ISO 24711 Ink Yield Test Report

Declaration of yield:

When tested in printer HP Photosmart D5400/D7500 Printer series:

Ink Cartridge Yield:

Average C Cartridge Yield	300	standard pages
Average M Cartridge Yield	300	standard pages
Average K Cartridge Yield	250	standard pages
Average Y Cartridge Yield	300	standard pages
Estimated Supplemental Yield Photo K	1500	standard pages

Values obtained by continuous printing.

Declared yield value in accordance with ISO/IEC 24711

90% Lower Confidence

C Cartridge yield	303 pages
M Cartridge yield	303 pages
K Cartridge yield	305 pages
Y Cartridge yield	303 pages

Date Tested: 08/12/2008 - 08/14/2008

For Questions Concerning Testing Contact:

Name: Rod Williams

Address: 1000 NE Circle Blvd., m/s 520A

City, State, Zip: Corvallis, OR 97330-4239

Printer Model Used	HP Photosmart D5400 and D7500 Printer series
C Cartridge Model	CB318W (HP564) ¹
M Cartridge Model	CB319W (HP564) ²
K Cartridge Model	CB316W (HP564) ³
Y Cartridge Model	CB320W (HP564) ⁴
PK Cartridge Model	CB317W (HP564) ⁵
Number of Cartridges Used in Testing	C=24, M=24, K=24, Y=24, PK=8
Number of Cartridges Used in Calculations	C=24, M=24, K=24, Y=24
Type of Cartridges	C = Separate, M = Separate, Y = Separate, K = Separate
Supplemental Cartridges	Photo Black
Print Mode	Continuous
Number of Printers Used in Testing	8
Media Used	HP All in One 22lb Copy Paper
Paper Size	Letter size 8.5" x 11"
Paper Feed Orientation	Short Edge Feed

^{1,2,3,4,5} Refer to comment section at end of report

Computer Model	HP Compac dc7600
CPU	Pentium 4, 3GHz
Memory Size	1 GB
Interface	USB 2.0
Driver Version	61.81.2311.0
Operating System	Windows XP Pro SP2
Application Software	Acrobat Reader 6.0.1
Test Suite Version	ISO-IEC 24712 2006
Power (off/on) everyday?	No
Other	Use of pre-generated print files in testing

Cartridge Testing Data:

Printer #1	HP HP Photosmart D5400 Printer series / MY82E17016					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	312	Yes
	CB316W(564) K	22.96	23.24	22.09	322	Yes
	CB319W(564) M	22.96	23.24	22.09	312	Yes
	CB317W(564) PK	22.96	23.24	22.09	960	No
	CB320W(564) Y	22.96	23.24	22.09	312	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	311	Yes
	CB316W(564) K	22.95	23.24	22.09	306	Yes
	CB319W(564) M	22.95	23.24	22.09	311	Yes
	CB320W(564) Y	22.95	23.24	22.09	311	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	311	Yes
	CB316W(564) K	22.95	23.24	22.09	323	Yes
	CB319W(564) M	22.95	23.24	22.09	311	Yes
	CB320W(564) Y	22.95	23.24	22.09	311	Yes

Printer #2	HP HP Photosmart D5400 Printer series / MY82F17009					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	313	Yes
	CB316W(564) K	22.96	23.24	22.09	345	Yes
	CB319W(564) M	22.96	23.24	22.09	313	Yes
	CB317W(564) PK	22.96	23.24	22.09	970	No
	CB320W(564) Y	22.96	23.24	22.09	313	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	311	Yes
	CB316W(564) K	22.95	23.24	22.09	281	Yes
	CB319W(564) M	22.95	23.24	22.09	311	Yes
	CB320W(564) Y	22.95	23.24	22.09	311	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	312	Yes

	CB316W(564) K	22.95	23.24	22.09	333	Yes
	CB319W(564) M	22.95	23.24	22.09	312	Yes
	CB320W(564) Y	22.95	23.24	22.09	312	Yes

Printer #3	HP HP Photosmart D5400 Printer series / MY82E170G8					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	312	Yes
	CB316W(564) K	22.96	23.24	22.09	325	Yes
	CB319W(564) M	22.96	23.24	22.09	312	Yes
	CB317W(564) PK	22.96	23.24	22.09	965	No
	CB320W(564) Y	22.96	23.24	22.09	312	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	311	Yes
	CB316W(564) K	22.95	23.24	22.09	301	Yes
	CB319W(564) M	22.95	23.24	22.09	311	Yes
	CB320W(564) Y	22.95	23.24	22.09	311	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	312	Yes
	CB316W(564) K	22.95	23.24	22.09	328	Yes
	CB319W(564) M	22.95	23.24	22.09	312	Yes
	CB320W(564) Y	22.95	23.24	22.09	312	Yes

Printer #4	HP HP Photosmart D5400 Printer series / MY82E17021					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	274	Yes
	CB316W(564) K	22.96	23.24	22.09	314	Yes
	CB319W(564) M	22.96	23.24	22.09	276	Yes
	CB317W(564) PK	22.96	23.24	22.09	880	No
	CB320W(564) Y	22.96	23.24	22.09	276	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	264	Yes
	CB316W(564) K	22.95	23.24	22.09	308	Yes
	CB319W(564) M	22.95	23.24	22.09	261	Yes
	CB320W(564) Y	22.95	23.24	22.09	261	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	309	Yes
	CB316W(564) K	22.95	23.24	22.09	256	Yes
	CB319W(564) M	22.95	23.24	22.09	312	Yes
	CB320W(564) Y	22.95	23.24	22.09	312	Yes

Printer #5	HP Photosmart D7500 Printer series / MY84P19277					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		

Set 1	CB318W(564) C	22.96	23.24	22.09	311	Yes
	CB316W(564) K	22.96	23.24	22.09	337	Yes
	CB319W(564) M	22.96	23.24	22.09	311	Yes
	CB317W(564) PK	22.96	23.24	22.09	950	No
	CB320W(564) Y	22.96	23.24	22.09	311	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	309	Yes
	CB316W(564) K	22.95	23.24	22.09	285	Yes
	CB319W(564) M	22.95	23.24	22.09	309	Yes
	CB320W(564) Y	22.95	23.24	22.09	309	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	307	Yes
	CB316W(564) K	22.95	23.24	22.09	318	Yes
	CB319W(564) M	22.95	23.24	22.09	307	Yes
	CB320W(564) Y	22.95	23.24	22.09	307	Yes

Printer #6	HP Photosmart D7500 Printer series / MY84P19274					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	309	Yes
	CB316W(564) K	22.96	23.24	22.09	312	Yes
	CB319W(564) M	22.96	23.24	22.09	309	Yes
	CB317W(564) PK	22.96	23.24	22.09	945	No
	CB320W(564) Y	22.96	23.24	22.09	309	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	308	Yes
	CB316W(564) K	22.95	23.24	22.09	304	Yes
	CB319W(564) M	22.95	23.24	22.09	308	Yes
	CB320W(564) Y	22.95	23.24	22.09	308	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	309	Yes
	CB316W(564) K	22.95	23.24	22.09	316	Yes
	CB319W(564) M	22.95	23.24	22.09	309	Yes
	CB320W(564) Y	22.95	23.24	22.09	309	Yes

Printer #7	HP Photosmart D7500 Printer series / MY84P19278					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	312	Yes
	CB316W(564) K	22.96	23.24	22.09	330	Yes
	CB319W(564) M	22.96	23.24	22.09	312	Yes
	CB317W(564) PK	22.96	23.24	22.09	960	No
	CB320W(564) Y	22.96	23.24	22.09	312	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	311	Yes
	CB316W(564) K	22.95	23.24	22.09	295	Yes
	CB319W(564) M	22.95	23.24	22.09	311	Yes
	CB320W(564) Y	22.95	23.24	22.09	311	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	311	Yes
	CB316W(564) K	22.95	23.24	22.09	333	Yes

	CB319W(564) M	22.95	23.24	22.09	311	Yes
	CB320W(564) Y	22.95	23.24	22.09	311	Yes

Printer #8	HP Photosmart D7500 Printer series / MY84P19280					
	Cartridge No.	Temperature (°C)			Cartridge Yield	Cartridge Used in Calculation
		Avg	Max	Min		
Set 1	CB318W(564) C	22.96	23.24	22.09	313	Yes
	CB316W(564) K	22.96	23.24	22.09	347	Yes
	CB319W(564) M	22.96	23.24	22.09	313	Yes
	CB317W(564) PK	22.96	23.24	22.09	970	No
	CB320W(564) Y	22.96	23.24	22.09	313	Yes
Set 2	CB318W(564) C	22.95	23.24	22.09	312	Yes
	CB316W(564) K	22.95	23.24	22.09	280	Yes
	CB319W(564) M	22.95	23.24	22.09	312	Yes
	CB320W(564) Y	22.95	23.24	22.09	312	Yes
Set 3	CB318W(564) C	22.95	23.24	22.09	313	Yes
	CB316W(564) K	22.95	23.24	22.09	313	Yes
	CB319W(564) M	22.95	23.24	22.09	313	Yes
	CB320W(564) Y	22.95	23.24	22.09	313	Yes

Summary

	Cartridge No.	C	M	K	Y		Cartridge No.	C	M	K	Y
Printer #1	1	312	312	322	312	Printer #2	1	313	313	345	313
	2	311	311	306	311		2	311	311	281	311
	3	311	311	323	311		3	312	312	333	312

	Cartridge No.	C	M	K	Y		Cartridge No.	C	M	K	Y
Printer #3	1	312	312	325	312	Printer #4	1	274	276	314	276
	2	311	311	301	311		2	264	261	308	261
	3	312	312	328	312		3	309	312	256	312

	Cartridge No.	C	M	K	Y		Cartridge No.	C	M	K	Y
Printer #5	1	311	311	337	311	Printer #6	1	309	309	312	309
	2	309	309	285	309		2	308	308	304	308
	3	307	307	318	307		3	309	309	316	309

	Cartridge No.	C	M	K	Y		Cartridge No.	C	M	K	Y
Printer #7	1	312	312	330	312	Printer #8	1	313	313	347	313
	2	311	311	295	311		2	312	312	280	312
	3	311	311	333	311		3	313	313	313	313

Type	C	M	K	Y
Total	7377	7379	7512	7379
Avg	307	307	313	307
St Dev.	12	12	22	12
90%LCB	303	303	305	303

Comments: (As Required)

¹ Page yields for separate cyan HP178, HP364 and HP862 cartridges when use with this printer model series are taken to be similar to the page yield obtained for HP564 cartridges used in this test.

² Page yield for separate magenta HP178, HP364 and HP862 cartridges when use with this printer model series are taken to be similar to the page yield obtained for HP564 cartridges used in this test.

³ Page yields for separate black HP178, HP364 and HP862 cartridges when use with this printer model series are taken to be similar to the page yield obtained for HP564 cartridges used in this test.

⁴ Page yield for separate yellow HP178, HP364 and HP862 cartridges when use with this printer model series are taken to be similar to the page yield obtained for HP564 cartridges used in this test.

⁵ Supplemental page yield for separate photo black HP178, HP364 and HP862 cartridges when use with this printer model series are taken to be similar to the page yield obtained for HP564 cartridges used in this test.