



**Cost of Ink Per Page Analysis  
June 2009**

**High Yield Cartridges**

**United Kingdom**

**France**

**Germany**

**Italy**

**Spain**

Includes ink cartridge pricing provided by



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## Summary and Scope of Analysis

For more than 23 years, QualityLogic Inc. has been a premier developer and provider of essential testing solutions to companies that design, build, or purchase printers and printing technology. Our products and services help our customers understand how the products they make or buy conform to specifications, or compare to reference implementations or competing products. We are active members of international standards organizations including ISO and Ecma International, and provide testing assistance to leading technology publications who publish printer reviews.

At the request of Eastman Kodak Company, QualityLogic calculated and compared the Cost of Ink Per Page (CoIPP) of the ESP series of All-in-One Printers to seven competing printers selected by Kodak. Kodak's intent was to select printers with significant market share from leading manufacturers.

Monochrome and color cartridge yields for all printers were determined following ISO yield standards, and photo yields were determined using QualityLogic's photo yield methodology\*.

Ink prices for printers in the test were provided to QualityLogic by Gap Intelligence\*\*, a premier global provider of market intelligence. The manufacturer's suggested retail price (MSRP) includes VAT, TTC and MwST as applicable for each country. Gap Intelligence obtained the pricing information used in this report during Q1 & Q2 2009. If the cartridge price wasn't available on the manufacturer's website, Gap Intelligence provided an average of three reseller street prices. For this report, standard as-shipped-in-box cartridges for Kodak were used while all other printers used High Yield cartridges. Cartridge pricing was based on single quantity pricing (i.e no multi-packs, combo packs, value packs or special promotions).

Although there are many factors in total cost of ownership, Cost of Ink Per Page (CoIPP) is an important factor when evaluating total cost of ownership with printer systems.

Cost of Ink Per Page was calculated by dividing these cartridge prices by the yield of each cartridge in the test.

\* All references of 'photo' in this report refer to 4x6 inch (approximately 10 x 15 cm) borderless photos.

\*\* Gap Intelligence believes that the list pricing information provided is accurate; however, it is not responsible for any errors, inaccuracies, or variances caused by changes made outside of its defined survey period (Q1 & Q2 2009).

The following printers and corresponding ink cartridges were included in this Cost of Ink Per Page analysis:

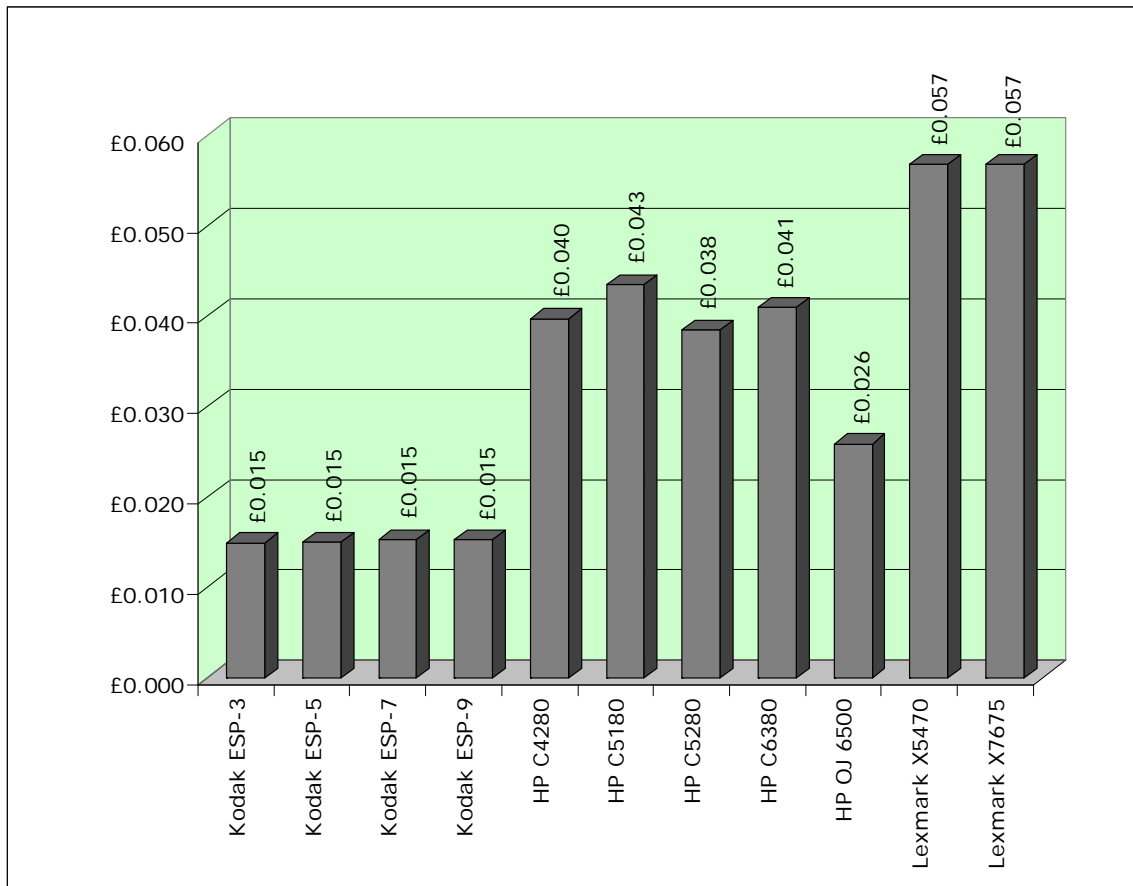
<b>Company</b>	<b>Printer</b>	<b>Cartridges</b>
Kodak	ESP-3 ESP-5 ESP-7 ESP-9	Black Ink Cartridge 10, Color Ink Cartridge 10 Black Ink Cartridge 10, Color Ink Cartridge 10 Black Ink Cartridge 10, Color Ink Cartridge 10 Black Ink Cartridge 10, Color Ink Cartridge 10
Hewlett-Packard	Photosmart C4280 Photosmart C5180  Photosmart C5280 Photosmart C6380  OfficeJet 6500	HP 350XL, HP 351XL HP 363XL – C8719EE, C8771EE, C8772EE, C8773EE, C8774EE, C8775EE HP 350XL, HP 351XL HP 364XL – CB321EE, CB322EE, CB323EE, CB324EE, CB325EE HP 920XL – CD975AE, CD972AE, CD973AE, CD974AE
Lexmark	X5470 X7675	34, 35 44XL , 43XL

## Cost of Ink Per Page

The following charts summarize the Cost of Ink Per Page for the printers tested using cartridge prices from each country represented. There are three charts presented for each country: separate charts for monochrome, color and photo printing. Details of how these costs were calculated can be found in the "Methodology for Calculation of Cost of Ink Per Page" following these graphs.

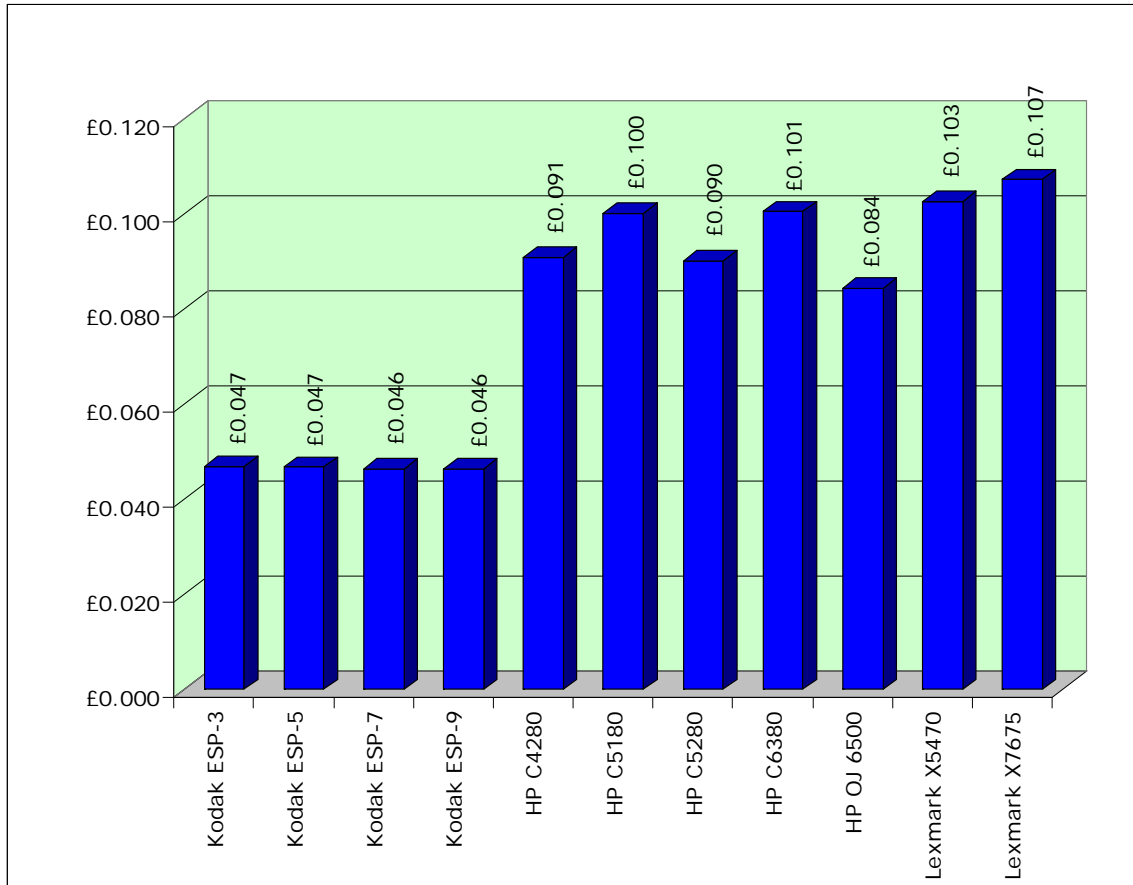
### United Kingdom: Mono - Cost of Ink Per Page

(UK GBP)



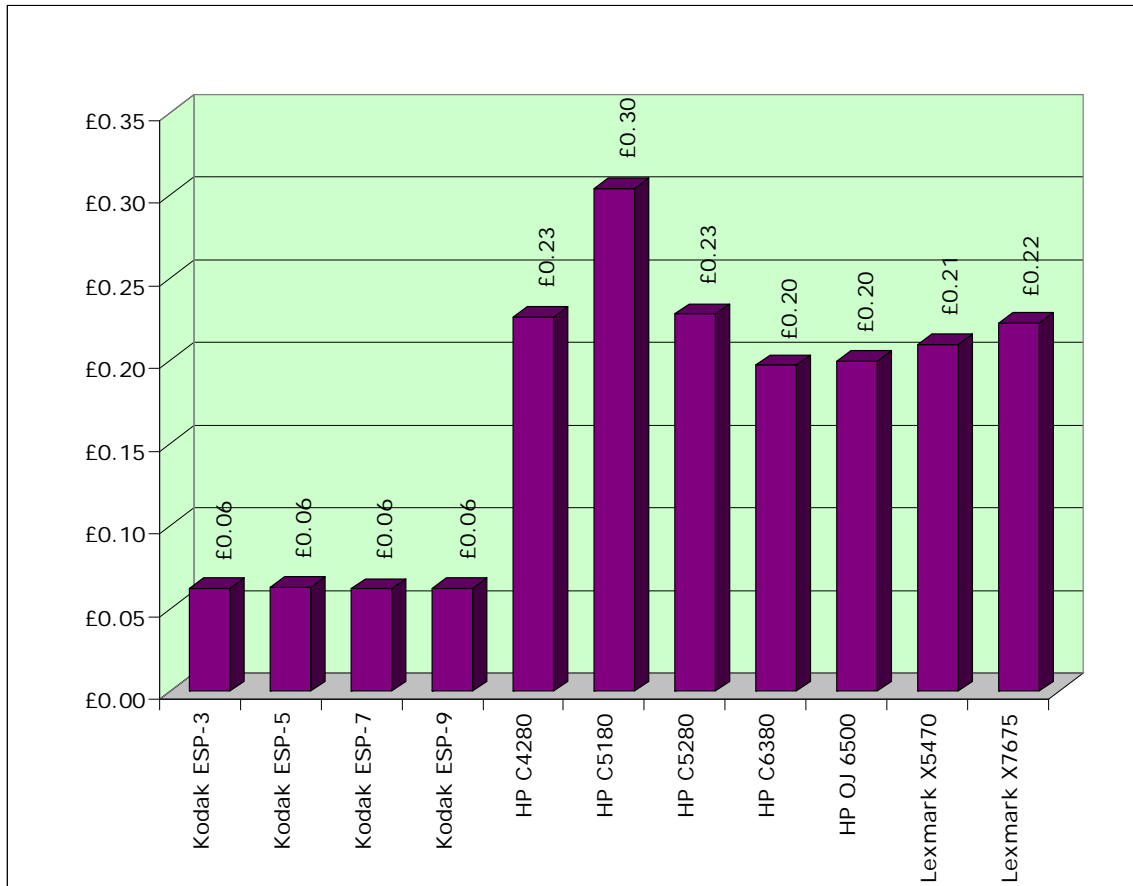
## United Kingdom: Color - Cost of Ink Per Page

(UK GBP)

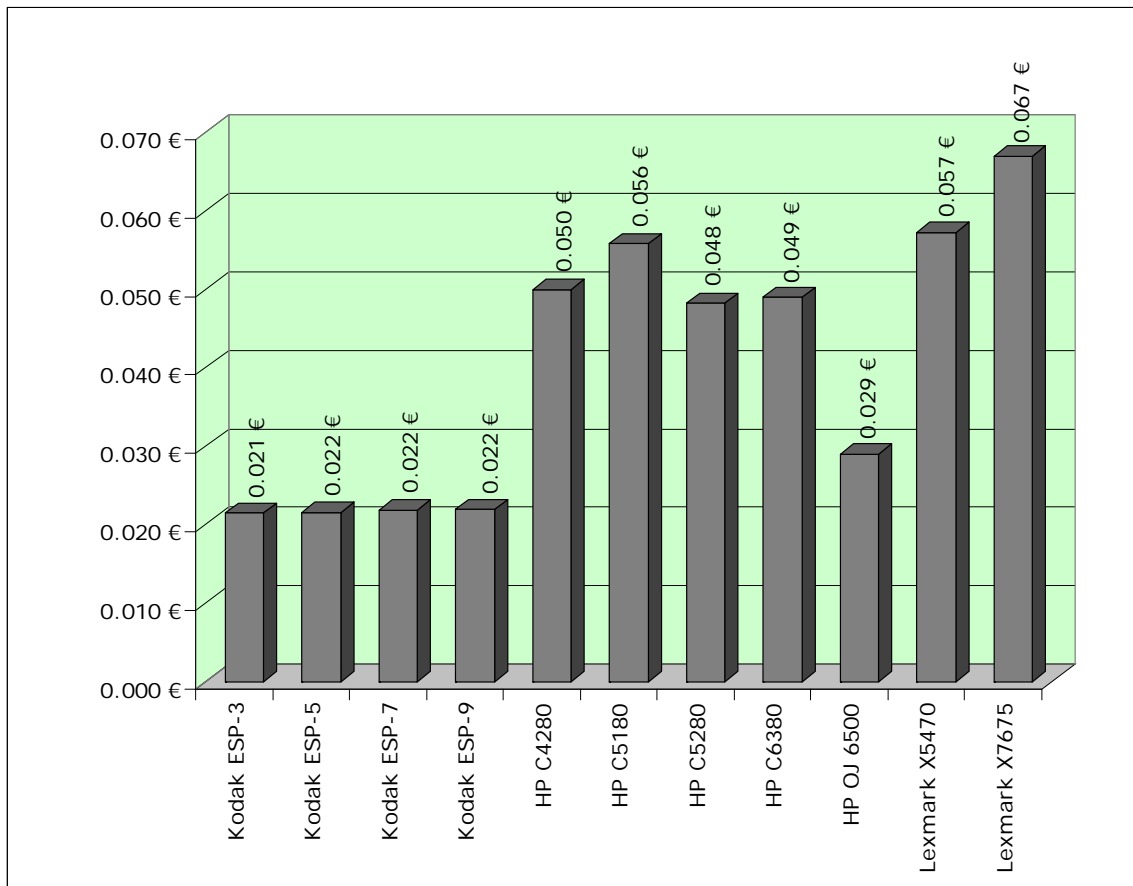


## United Kingdom: Photo - Cost of Ink Per Page

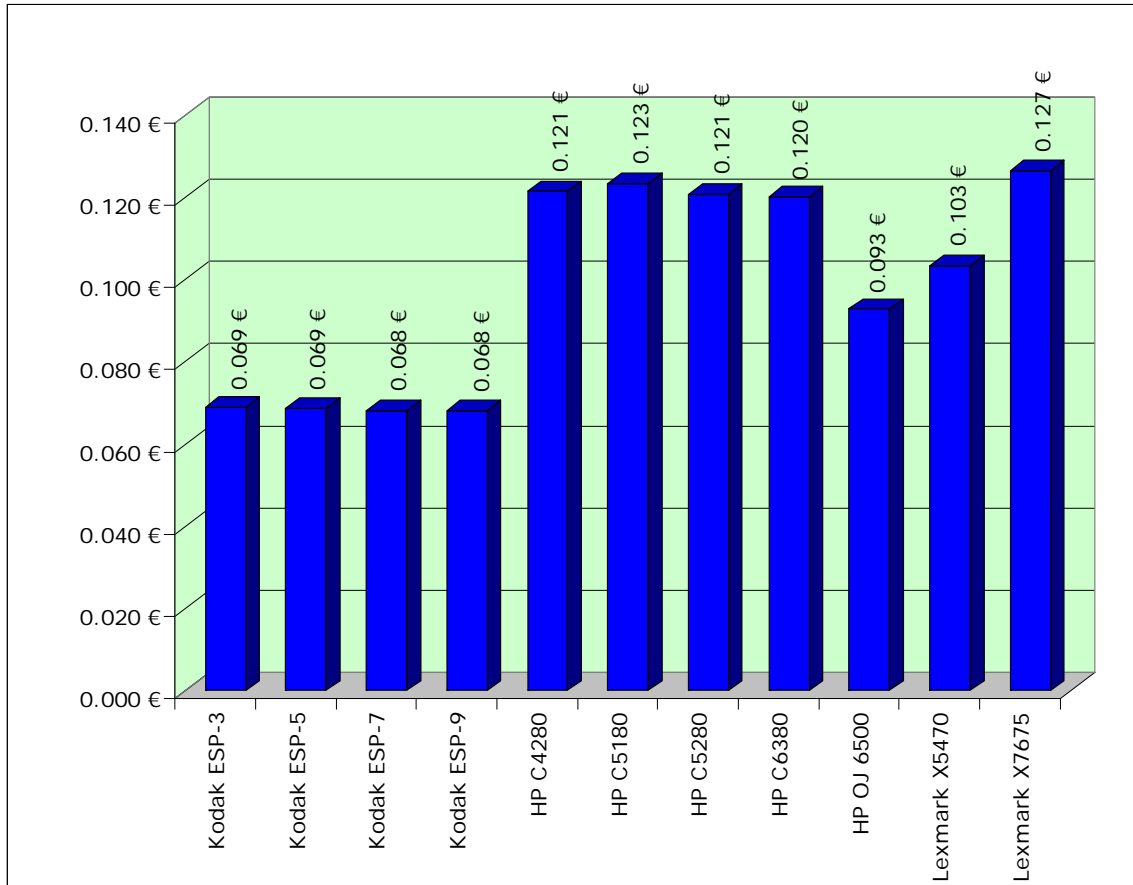
(UK GBP)



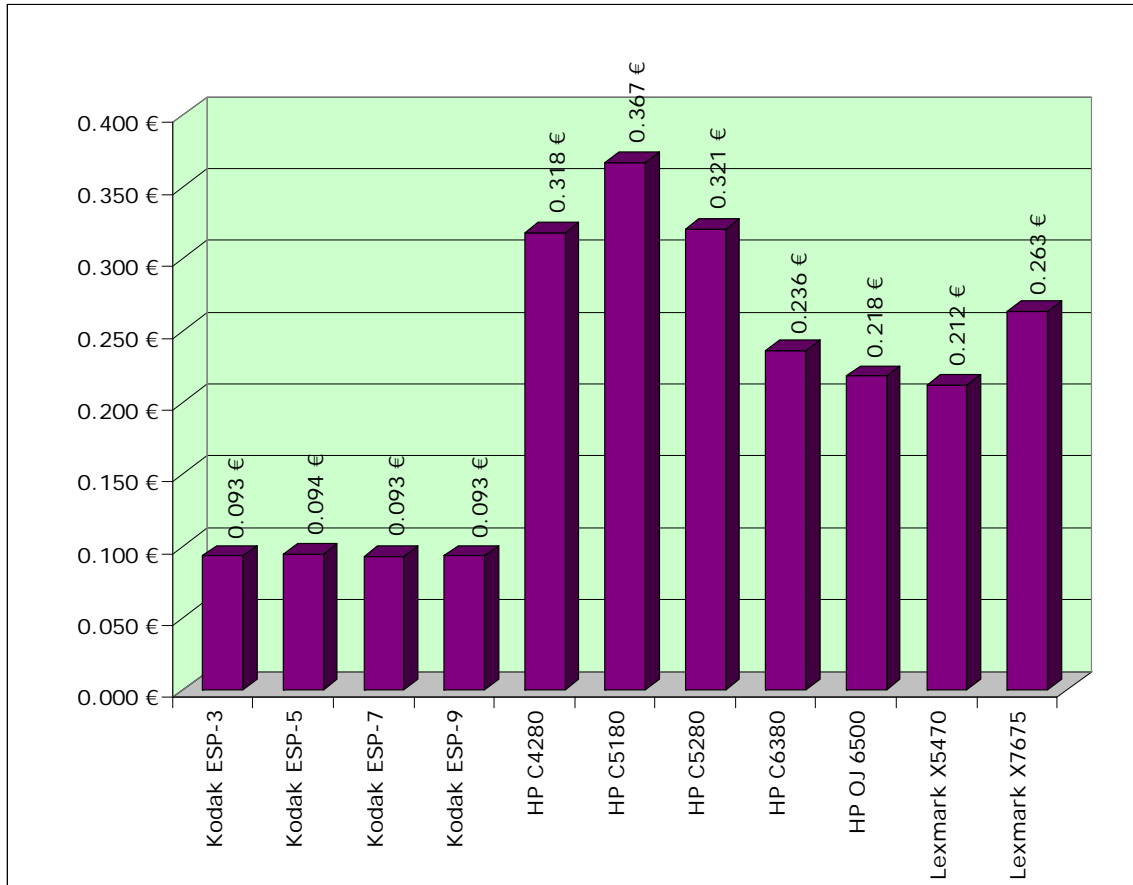
## France: Mono - Cost of Ink Per Page (EUR)



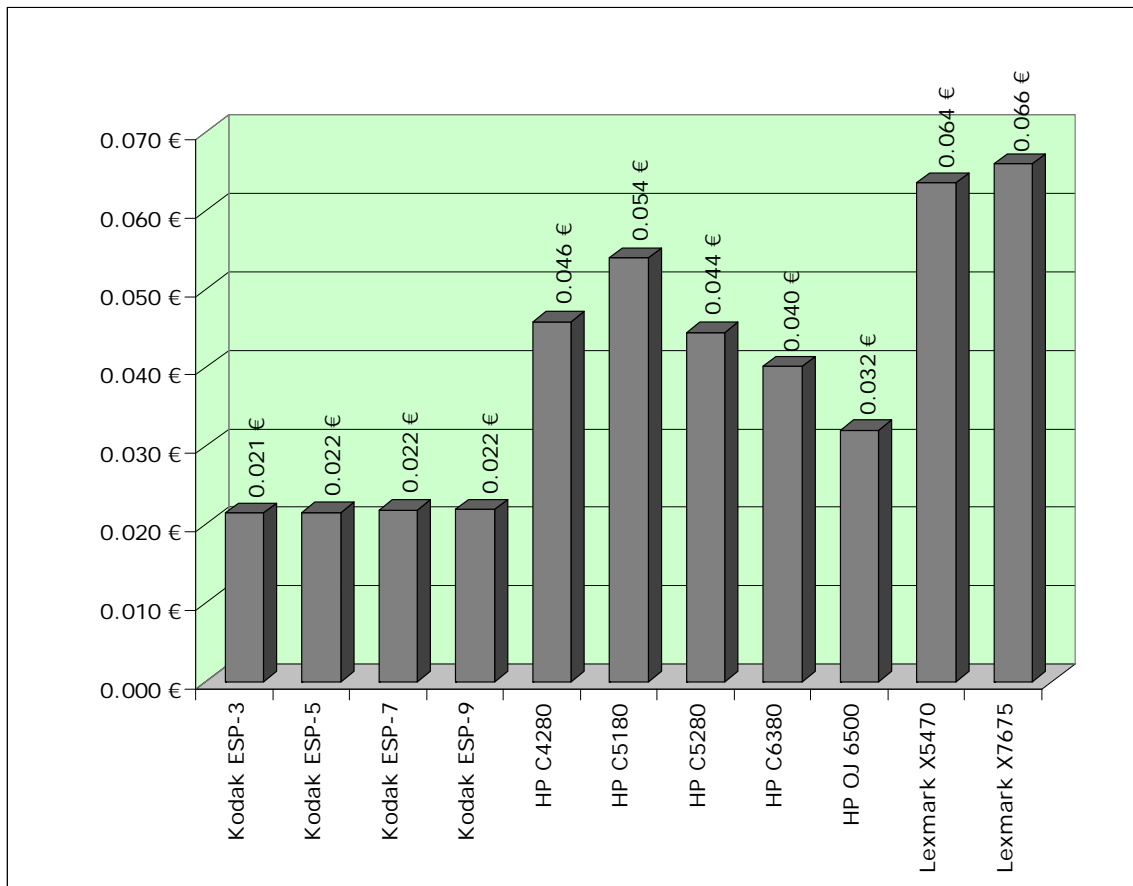
## France: Color - Cost of Ink Per Page (EUR)



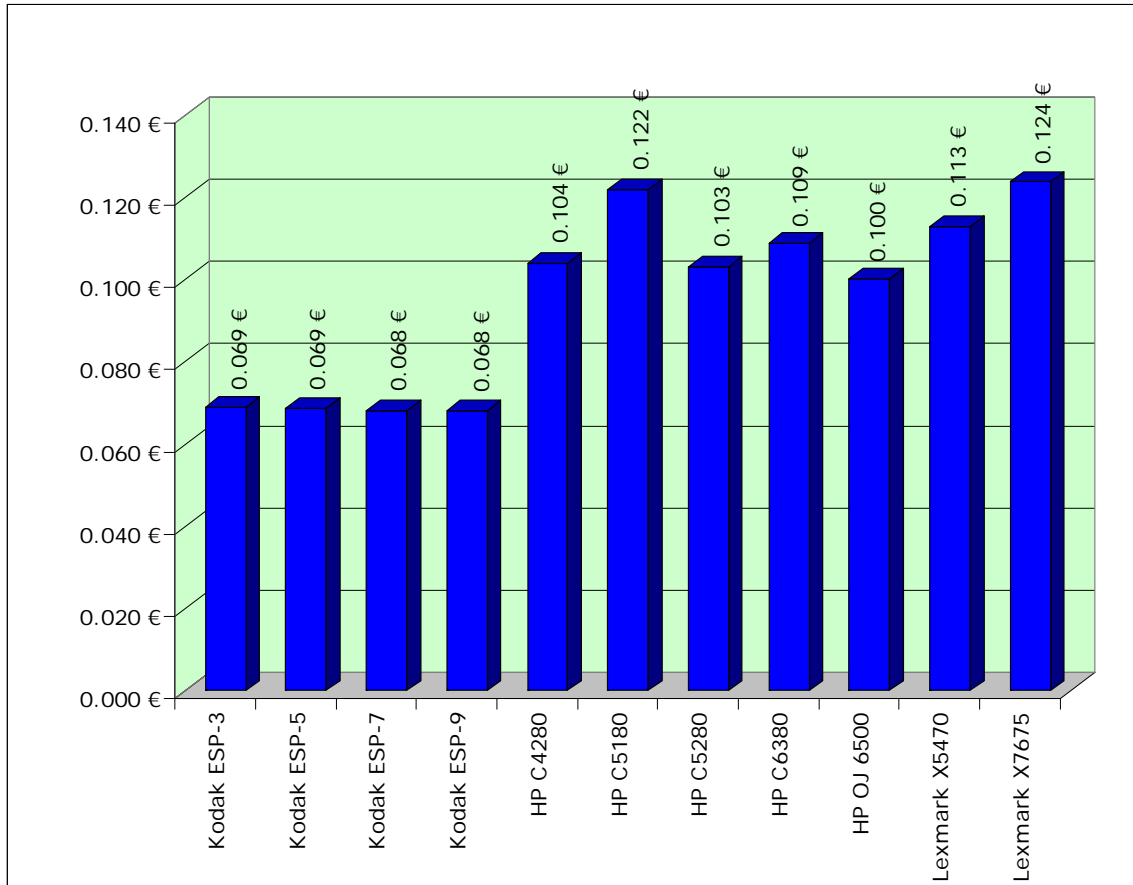
## France: Photo - Cost of Ink Per Page (EUR)



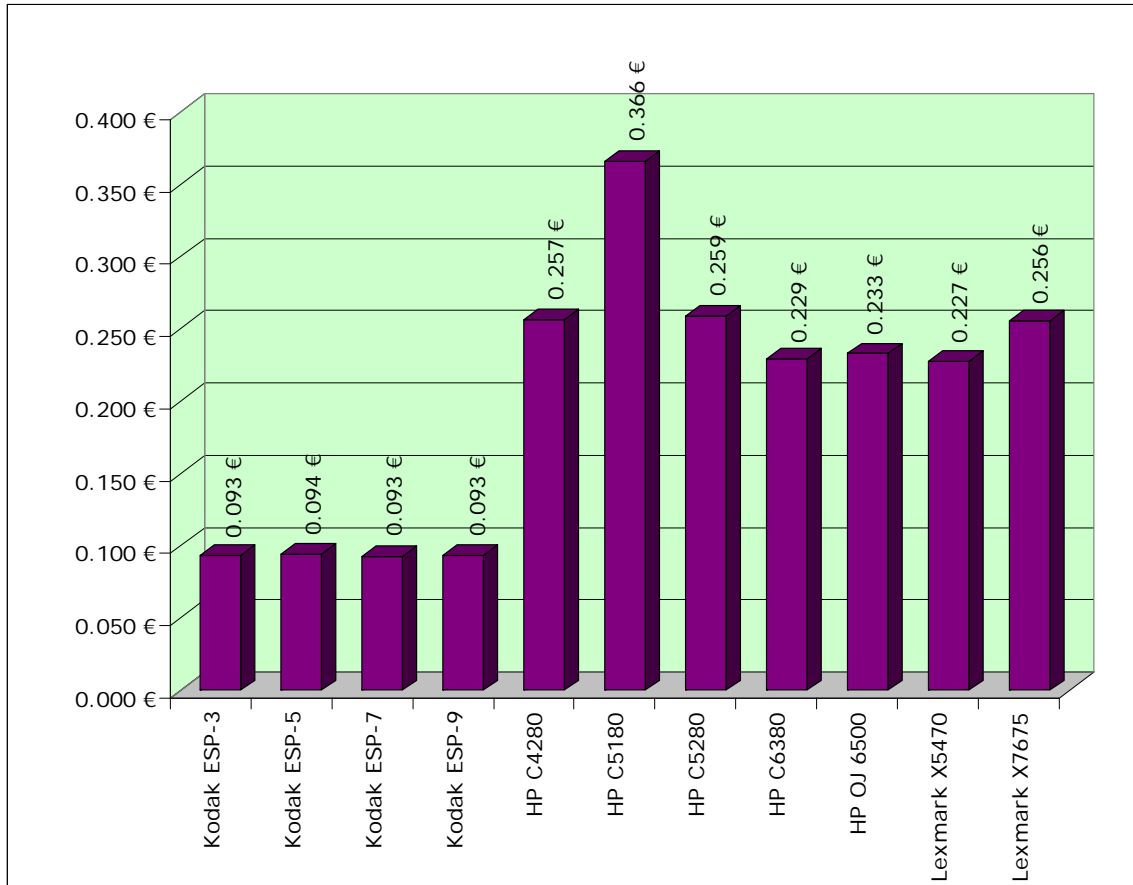
## Germany: Mono - Cost of Ink Per Page (EUR)



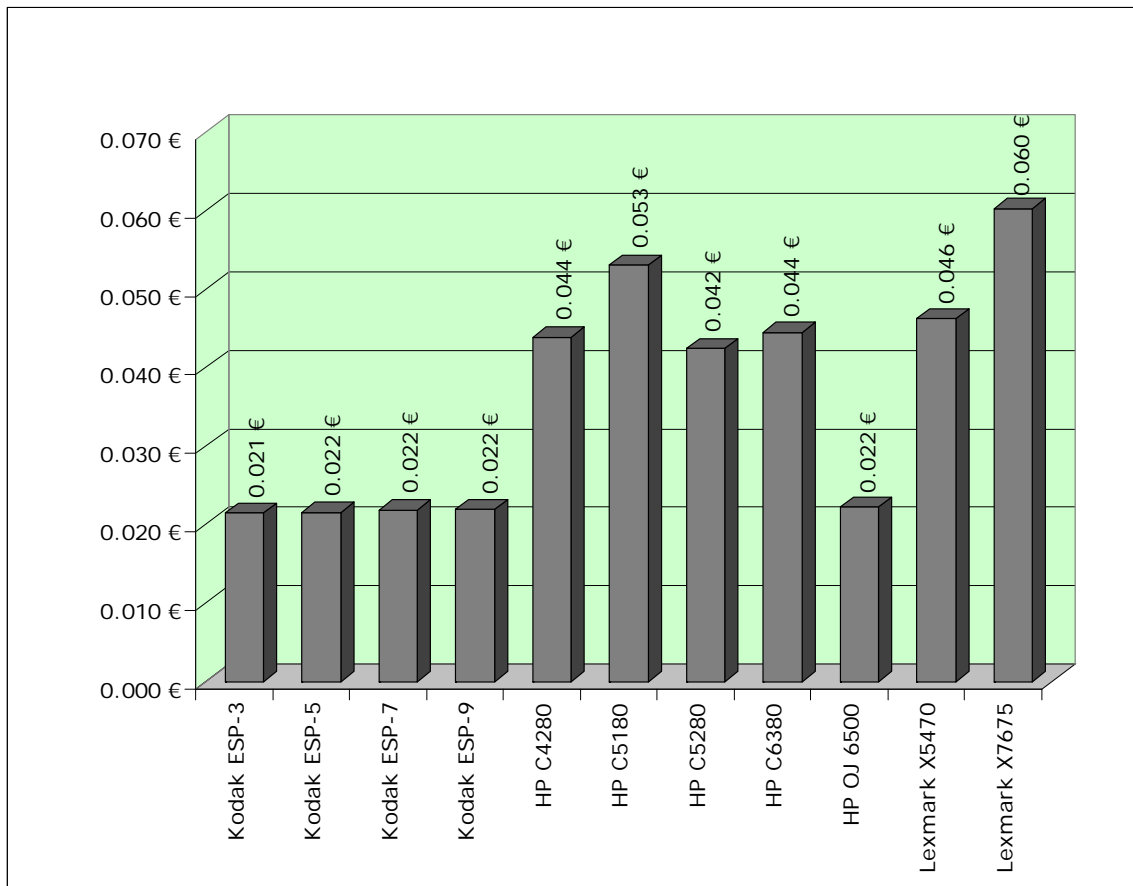
## Germany: Color - Cost of Ink Per Page (EUR)



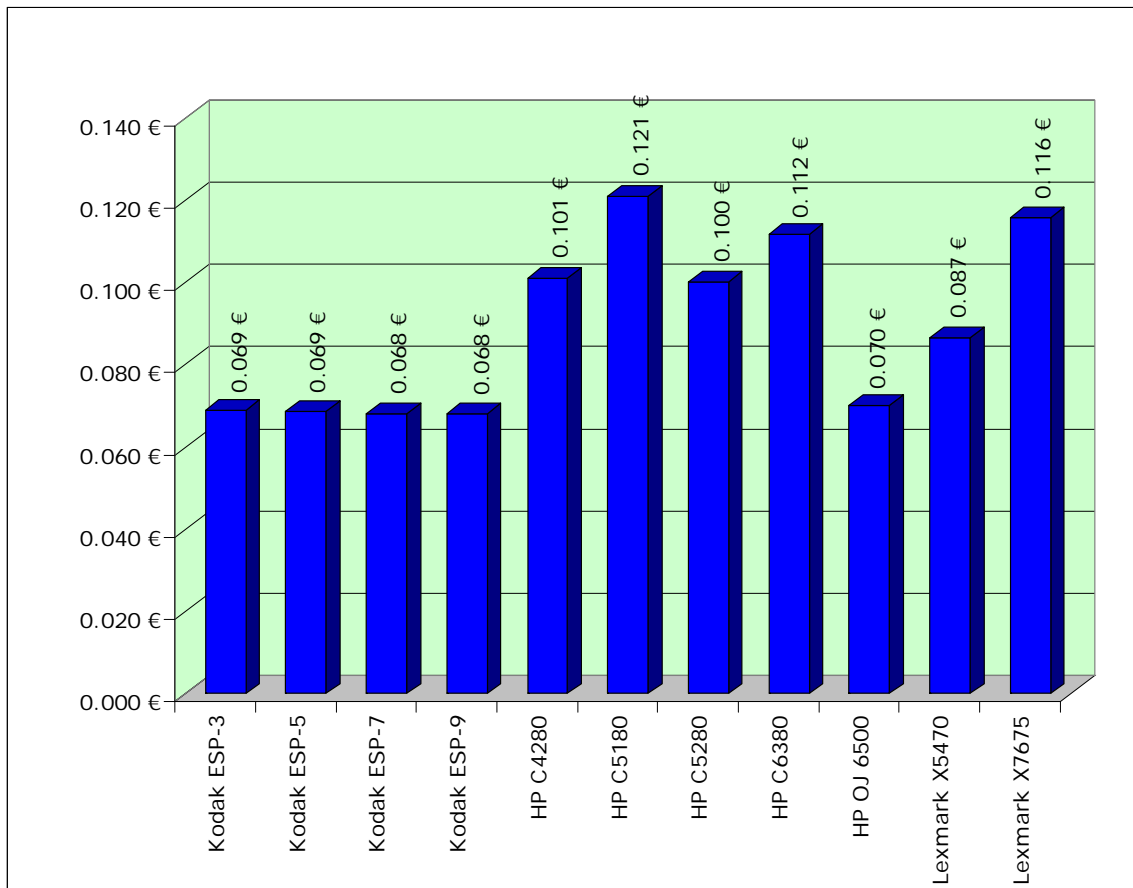
## Germany: Photo - Cost of Ink Per Page (EUR)



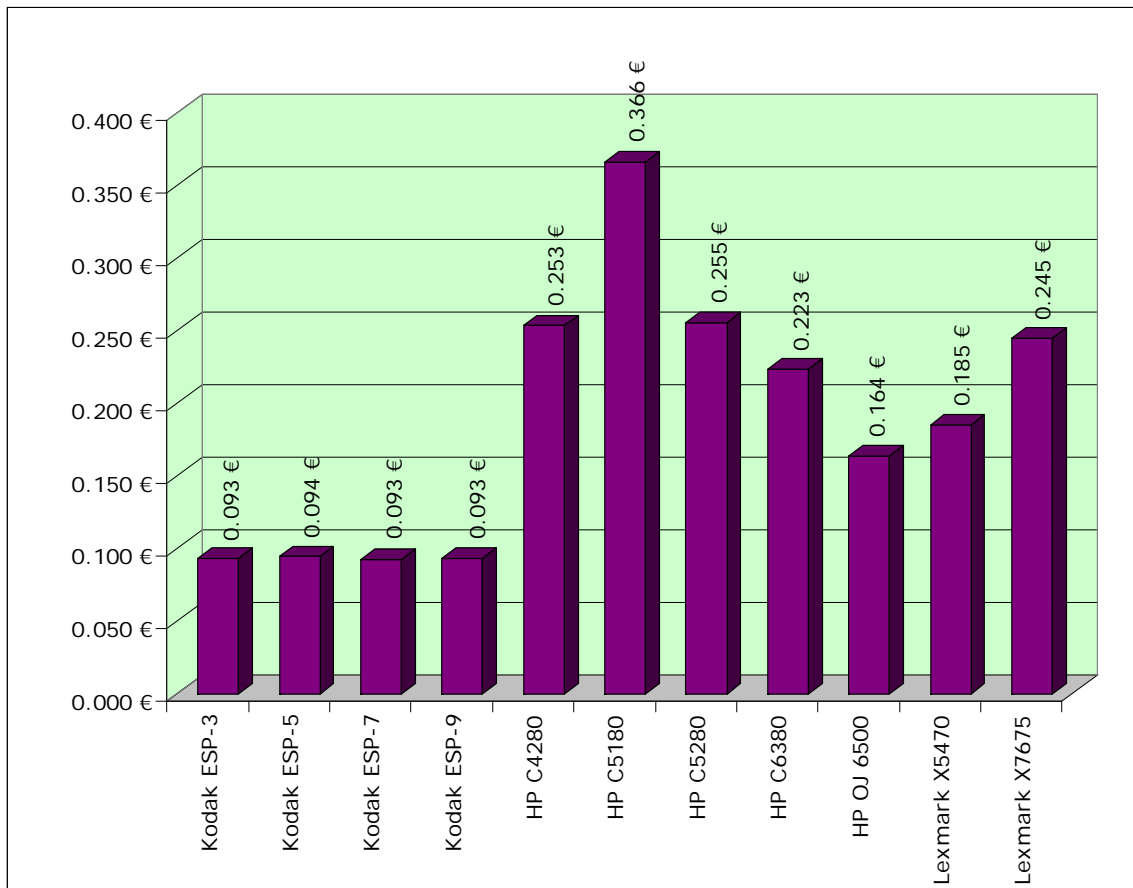
## Italy: Mono - Cost of Ink Per Page (EUR)



## Italy: Color - Cost of Ink Per Page (EUR)

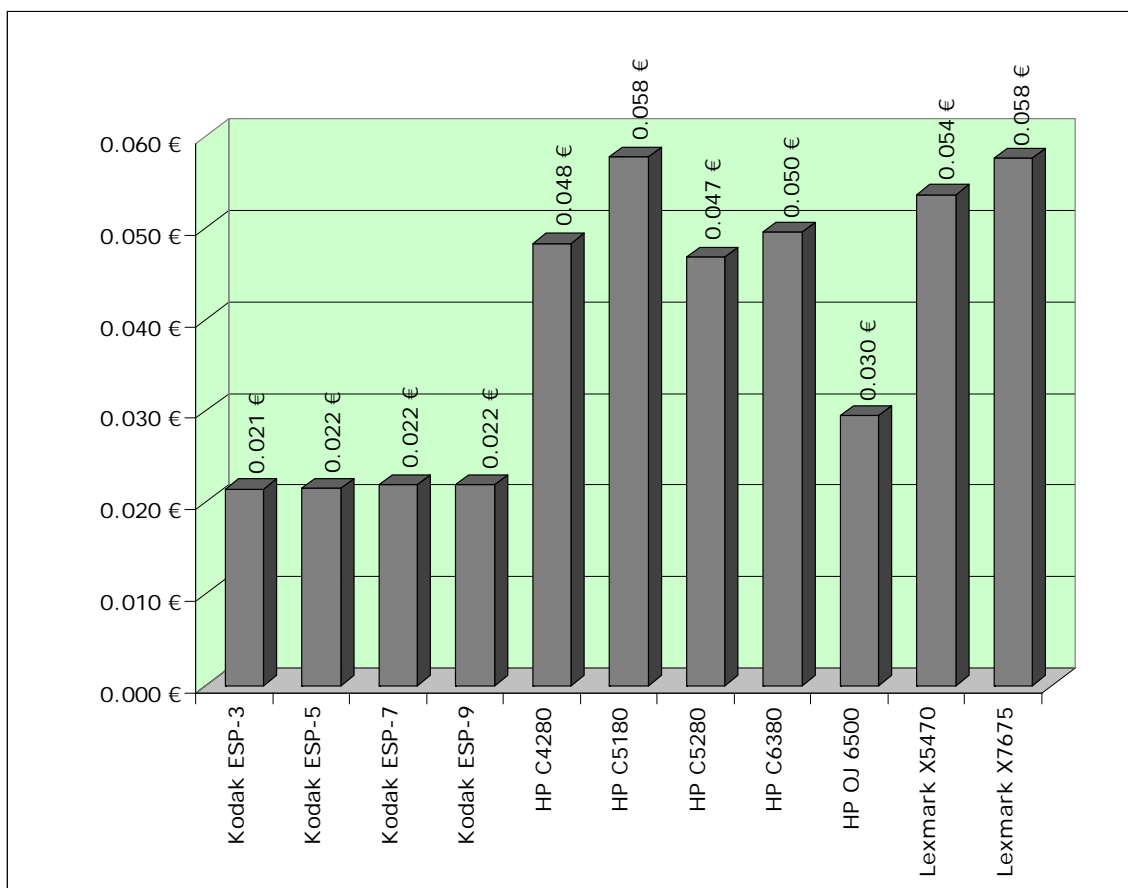


## Italy: Photo - Cost of Ink Per Page (EUR)

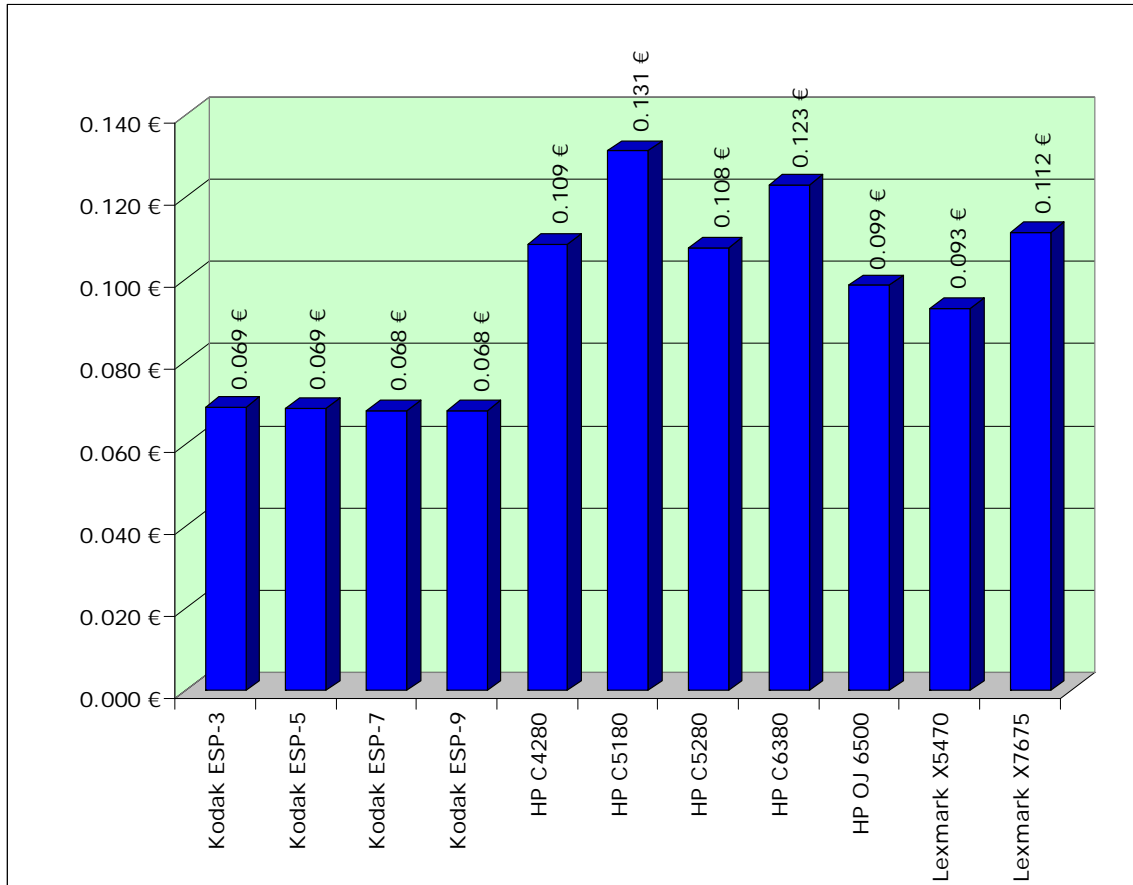


## Spain: Mono - Cost of Ink Per Page

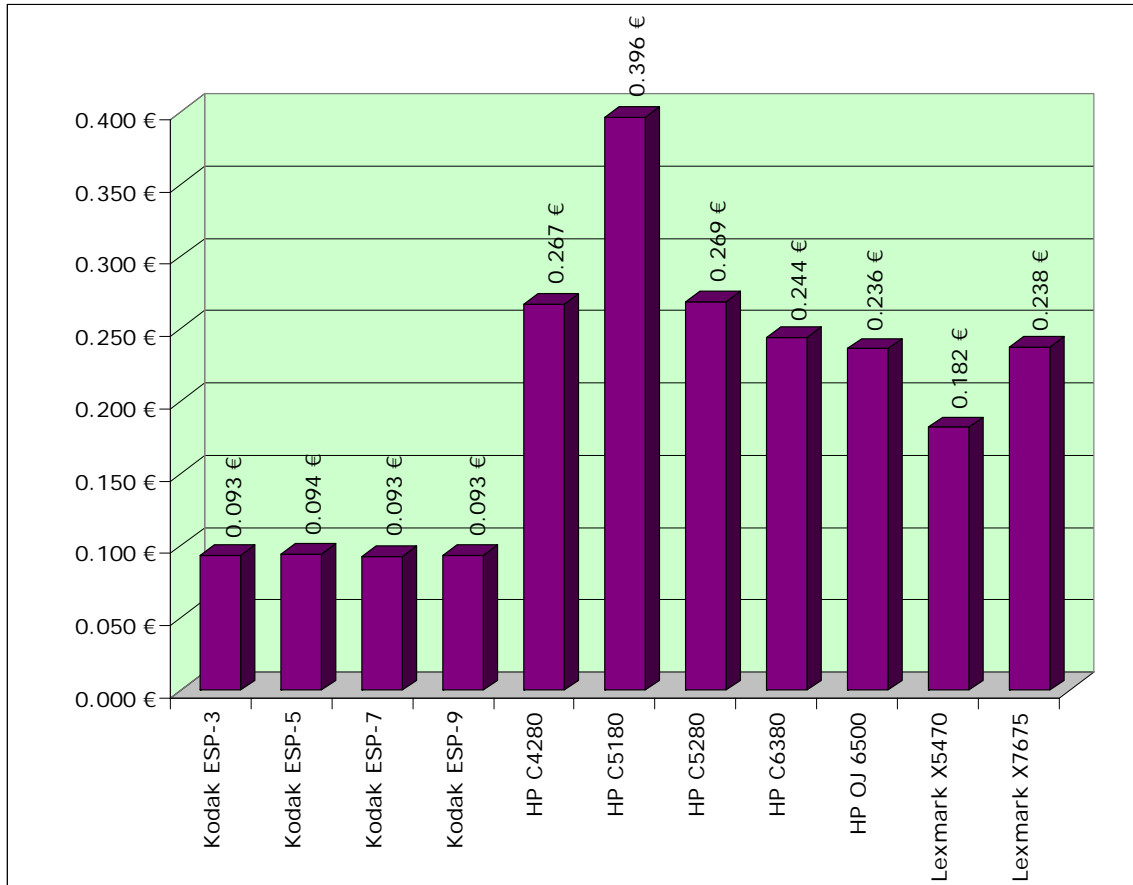
(EUR)



## Spain: Color - Cost of Ink Per Page (EUR)



## Spain: Photo - Cost of Ink Per Page (EUR)



## Methodology for Calculation of Cost of Ink Per Page

The following is a step-by-step outline of how QualityLogic, using standardized yield testing methodologies and standard pricing information provided by Gap Intelligence, executed this 'Cost of Ink Per Page' test for Kodak.

### A. QualityLogic Yield Declarations

Yield testing is a process by which the target printers are operated with their ink or toner cartridges to exhaust the amount of ink/toner, and then pages printed are counted to determine the number of pages each cartridge yields. The requirements and operating conditions of such testing are determined by a standard set of testing criteria that will provide an objective and repeatable result.

QualityLogic is a leader worldwide in providing yield testing services. We support and follow the ISO (International Standards Organization) standards for mono and color testing. Use of the ISO standards for yield testing is also supported by leading manufacturers, including Canon, Dell, Epson, HP, IBM, Kodak, Lexmark, Oki Data, Pitney Bowes, Ricoh, Toshiba, Xerox, and others.

ISO is currently working on a standard for photo ink. Until this standard is released, QualityLogic uses a methodology we developed that closely follows the current ISO standards approach.

Key provisions of these standards include:

- Standard test suites
- Minimum of nine cartridges across three printers representative of products in open market
- Clear, objective end-of-life criteria
- Controlled test environment – temperature, humidity, continuous printing
- Yield reporting requirement well defined

The following pages contain tables that relate to yield testing results. The tables show the number of pages per cartridge that can be expected with 90 percent confidence based on our testing. Numbers in black indicate primary cartridges – any cartridge where a minimum of nine cartridges across three printers could be exhausted. Supplemental cartridges are indicated by red numbers and represent those cartridges that are secondary to the purpose of the test. Although supplemental cartridges are not the key focus in the tests as shown, they are included in the test reports to ensure we get a complete understanding of the ink being used.

Generally, the 'primary' cartridges for each category of testing are:

- Mono ink – the black cartridge
- Color ink – all full density cartridges containing cyan, magenta, or yellow
- Photo ink – color cartridges or others where nine cartridges were exhausted

QualityLogic performed yield tests and provided yield test reports for all cartridges for models listed below (with some of the same models also available in Europe and in North America). Each table has abbreviated sub-headings that represent the specific ink cartridge types as follows:

- CMY = A single cartridge containing cyan, magenta and yellow \*
- C = Cyan
- M = Magenta
- Y = Yellow
- K1 = Black
- K2 = A second black cartridge
- LC = Light or photo cyan
- LM = Light or photo magenta

These yield numbers apply to printers included in this analysis. Yields of primary and supplemental cartridges are reported, and the details of these results can be found in Appendix A.

	Mono Ink yield							
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	4313				555			
Kodak ESP-5	4395				551			
Kodak ESP-7	4332				542			
Kodak ESP-9	4357				539			
HP C4280	2868				1078			
HP C5180		2798	1372	2452	1005		12539	9194
HP C5280	3171				1082			
HP C6380		7176	8395	8467	767	10764		
HP OJ 6500		5624	5992	6726	1126			
Lexmark X5470	5409				525			
Lexmark X7675	43355				414			

Note: Kodak's color cartridge includes black and protective inks.

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

Color Ink yield								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	379				340			
Kodak ESP-5	379				342			
Kodak ESP-7	385				342			
Kodak ESP-9	385				342			
HP C4280	562				987			
HP C5180		393	369	465	1109		10520	9430
HP C5280	553				1045			
HP C6380		763	800	715	702	3675		
HP OJ 6500		528	532	506	1089			
Lexmark X5470	600				544			
Lexmark X7675	509				443			

Note: Kodak's color cartridge includes black and protective inks.

Photo Ink yield								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	173				1509			
Kodak ESP-5	172				1371			
Kodak ESP-7	174				1546			
Kodak ESP-9	174				1405			
HP C4280	153				6843			
HP C5180		306	328	148	1367		130	130
HP C5280	151				9626			
HP C6380		270	462	301	6989	269		
HP OJ 6500		148	206	159	7487			
Lexmark X5470	154				16604			
Lexmark X7675	126				15822			

Note: Kodak's color cartridge includes black and protective inks.

## B. Ink Cartridge Pricing

Cartridge prices used in this Cost of Ink Per Page analysis were researched and provided to QualityLogic by Gap Intelligence Q1 & Q2 2009. Gap Intelligence's methodology for data collection used the manufacturer's website for each country. Standard as-shipped-in-box cartridges for Kodak were evaluated, while all other printers were evaluated with High Yield cartridges using single quantity pricing (i.e., no multi-packs, combo packs, value packs or special promotions) for the purpose of making like-basis comparisons between all printers. Below is the summary of the ink cartridges and their individual prices (using U.K. pricing as an example):

**Ink Cartridge Pricing**  
(UK GBP)

	Ink Cartridge Pricing							
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	£9.99				£6.99			
Kodak ESP-5	£9.99				£6.99			
Kodak ESP-7	£9.99				£6.99			
Kodak ESP-9	£9.99				£6.99			
HP C4280	£34.00				£30.00			
HP C5180		£10.00	£10.00	£10.00	£26.70		£10.00	£10.00
HP C5280	£34.00				£30.00			
HP C6380		£15.00	£15.00	£15.00	£26.00	£15.00		
HP OJ 6500		£11.00	£11.00	£11.00	£23.00			
Lexmark X5470	£32.10				£26.70			
Lexmark X7675	£27.91				£23.22			

Source: Gap Intelligence

### C. Cost of Ink Per Page – Per Cartridge

QualityLogic then calculated the Cost of Ink Per Page per cartridge by dividing the price of each cartridge (as defined by Gap Intelligence’s localized cartridge price, noted above in Section B) by the yield for each cartridge in each model (as defined above in Section A). This calculation results in the Cost of Ink Per Page per cartridge for each test mode: mono, color and photo.

$$\frac{\text{Price per cartridge}}{\text{Ink yield (in number of pages/photos)}} = \text{Cost of Ink Per Page – per cartridge}$$

#### Mono Cost of Ink Per Individual Cartridge per Page (UK GBP)

	Mono Ink Cost							
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	£0.002				£0.013			
Kodak ESP-5	£0.002				£0.013			
Kodak ESP-7	£0.002				£0.013			
Kodak ESP-9	£0.002				£0.013			
HP C4280	£0.012				£0.028			
HP C5180		£0.004	£0.007	£0.004	£0.027		£0.001	£0.001
HP C5280	£0.011				£0.028			
HP C6380		£0.002	£0.002	£0.002	£0.034	£0.001		
HP OJ 6500		£0.002	£0.002	£0.002	£0.020			
Lexmark X5470	£0.006				£0.051			
Lexmark X7675	£0.001				£0.056			

#### Color Cost of Ink Per individual Cartridge per Page (UK GBP)

	Color Ink cost							
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	£0.026				£0.021			
Kodak ESP-5	£0.026				£0.020			
Kodak ESP-7	£0.026				£0.020			
Kodak ESP-9	£0.026				£0.020			
HP C4280	£0.060				£0.030			
HP C5180		£0.025	£0.027	£0.022	£0.024		£0.001	£0.001
HP C5280	£0.061				£0.029			
HP C6380		£0.020	£0.019	£0.021	£0.037	£0.004		
HP OJ 6500		£0.021	£0.021	£0.022	£0.021			
Lexmark X5470	£0.053				£0.049			
Lexmark X7675	£0.055				£0.052			

**Photo Cost of Ink Per individual Cartridge per Page**  
(UK GBP)

	Photo Ink Cost							
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	£0.058				£0.005			
Kodak ESP-5	£0.058				£0.005			
Kodak ESP-7	£0.057				£0.005			
Kodak ESP-9	£0.057				£0.005			
HP C4280	£0.222				£0.004			
HP C5180		£0.033	£0.030	£0.068	£0.020		£0.077	£0.077
HP C5280	£0.225				£0.003			
HP C6380		£0.056	£0.032	£0.050	£0.004	£0.056		
HP OJ 6500		£0.074	£0.053	£0.069	£0.003			
Lexmark X5470	£0.208				£0.002			
Lexmark X7675	£0.222				£0.001			

**D. Cost of Ink Per Page**

Cost of Ink Per Page for each printer is calculated by summing the Cost of Ink Per Page per cartridge for each cartridge tested in a given printer model (as determined above in Section C).

$$\text{Cost of Ink Per Page} = \text{CMY} + \text{C} + \text{M} + \text{Y} + \text{K1} + \text{K2} + \text{LC} + \text{LM}$$

The Cost of Ink Per Page per printer is reflected below. Note that, due to rounding, the total CoIPP may not match the individual ink cartridge costs. (The following is an example using U.K. pricing.)

**Mono Cost of Ink Per Individual Cartridge and Total Cost of Ink Per Page**  
(UK GBP)

	Mono Ink Cost								Mono CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	
Kodak ESP-3	£0.002				£0.013				£0.015
Kodak ESP-5	£0.002				£0.013				£0.015
Kodak ESP-7	£0.002				£0.013				£0.015
Kodak ESP-9	£0.002				£0.013				£0.015
HP C4280	£0.012				£0.028				£0.040
HP C5180		£0.004	£0.007	£0.004	£0.027		£0.001	£0.001	£0.043
HP C5280	£0.011				£0.028				£0.038
HP C6380		£0.002	£0.002	£0.002	£0.034	£0.001			£0.041
HP OJ 6500		£0.002	£0.002	£0.002	£0.020				£0.026
Lexmark X5470	£0.006				£0.051				£0.057
Lexmark X7675	£0.001				£0.056				£0.057

**Color Cost of Ink Per Individual Cartridge and Total Cost of Ink Per Page**  
(UK GBP)

	Color Ink cost								Color
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	£0.026				£0.021				£0.047
Kodak ESP-5	£0.026				£0.020				£0.047
Kodak ESP-7	£0.026				£0.020				£0.046
Kodak ESP-9	£0.026				£0.020				£0.046
HP C4280	£0.060				£0.030				£0.091
HP C5180		£0.025	£0.027	£0.022	£0.024		£0.001	£0.001	£0.100
HP C5280	£0.061				£0.029				£0.090
HP C6380		£0.020	£0.019	£0.021	£0.037	£0.004			£0.101
HP OJ 6500		£0.021	£0.021	£0.022	£0.021				£0.084
Lexmark X5470	£0.053				£0.049				£0.103
Lexmark X7675	£0.055				£0.052				£0.107

**Photo Cost of Ink Per Individual Cartridge and Total Cost of Ink Per Page**  
(UK GBP)

	Photo Ink Cost								Photo
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	£0.058				£0.005				£0.062
Kodak ESP-5	£0.058				£0.005				£0.063
Kodak ESP-7	£0.057				£0.005				£0.062
Kodak ESP-9	£0.057				£0.005				£0.062
HP C4280	£0.222				£0.004				£0.227
HP C5180		£0.033	£0.030	£0.068	£0.020		£0.077	£0.077	£0.304
HP C5280	£0.225				£0.003				£0.228
HP C6380		£0.056	£0.032	£0.050	£0.004	£0.056			£0.197
HP OJ 6500		£0.074	£0.053	£0.069	£0.003				£0.200
Lexmark X5470	£0.208				£0.002				£0.210
Lexmark X7675	£0.222				£0.001				£0.223

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

## Contact Information

For information regarding this Cost of Ink Per Page Analysis, please contact the following person/s:

**QualityLogic:**



Dave Jollota  
President & CEO  
Phone: +1-805-531-9030 x122  
[djollota@qualitylogic.com](mailto:djollota@qualitylogic.com)

Gary James  
General Manager, Testing Services Group  
Phone: +1-805-531-9030 x151  
[gjames@qualitylogic.com](mailto:gjames@qualitylogic.com)

**Gap Intelligence:**



gap intelligence

Tom Foster  
Director Sales and Marketing  
Phone: 760 434-7222  
Fax: 619 574-6600  
[tfoster@gapintelligence.com](mailto:tfoster@gapintelligence.com)  
Address: 701 C Street, San Diego, CA 92101

### Gap Intelligence - Company Overview

Gap Intelligence is a global leader in providing timely, actionable competitive intelligence solutions to help manufacturers in the digital imaging space stay ahead of the competition. Gap Intelligence's printer hardware and supplies databases are updated on a weekly basis with street pricing and promotional data. Dedicated industry analysts publish insightful, analytical reports and tools to help our clients make smarter decisions and respond to market changes faster.

## Appendix A: Yields and Country Pricing

### Yield Tables

**United Kingdom**  
**Ink Cartridge Pricing**  
 (UK GBP)

Ink Cartridge Pricing								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	£9.99				£6.99			
Kodak ESP-5	£9.99				£6.99			
Kodak ESP-7	£9.99				£6.99			
Kodak ESP-9	£9.99				£6.99			
HP C4280	£34.00				£30.00			
HP C5180		£10.00	£10.00	£10.00	£26.70		£10.00	£10.00
HP C5280	£34.00				£30.00			
HP C6380		£15.00	£15.00	£15.00	£26.00	£15.00		
HP OJ 6500		£11.00	£11.00	£11.00	£23.00			
Lexmark X5470	£32.10				£26.70			
Lexmark X7675	£27.91				£23.22			

**Cost of Ink Per Page – Mono (United Kingdom)**

	Mono Ink Cost								Mono CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	
Kodak ESP-3	£0.002				£0.013				£0.015
Kodak ESP-5	£0.002				£0.013				£0.015
Kodak ESP-7	£0.002				£0.013				£0.015
Kodak ESP-9	£0.002				£0.013				£0.015
HP C4280	£0.012				£0.028				£0.040
HP C5180		£0.004	£0.007	£0.004	£0.027		£0.001	£0.001	£0.043
HP C5280	£0.011				£0.028				£0.038
HP C6380		£0.002	£0.002	£0.002	£0.034	£0.001			£0.041
HP OJ 6500		£0.002	£0.002	£0.002	£0.020				£0.026
Lexmark X5470	£0.006				£0.051				£0.057
Lexmark X7675	£0.001				£0.056				£0.057

**Cost of Ink Per Page – Color (United Kingdom)**

	Color Ink cost								Color CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	
Kodak ESP-3	£0.026				£0.021				£0.047
Kodak ESP-5	£0.026				£0.020				£0.047
Kodak ESP-7	£0.026				£0.020				£0.046
Kodak ESP-9	£0.026				£0.020				£0.046
HP C4280	£0.060				£0.030				£0.091
HP C5180		£0.025	£0.027	£0.022	£0.024		£0.001	£0.001	£0.100
HP C5280	£0.061				£0.029				£0.090
HP C6380		£0.020	£0.019	£0.021	£0.037	£0.004			£0.101
HP OJ 6500		£0.021	£0.021	£0.022	£0.021				£0.084
Lexmark X5470	£0.053				£0.049				£0.103
Lexmark X7675	£0.055				£0.052				£0.107

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Cost of Ink Per Page – Photo (United Kingdom)

	Photo Ink Cost								Photo CoIPP
	CMY	C	M	Y	K1	K2	LC	LM	
Kodak ESP-3	£0.058				£0.005				£0.062
Kodak ESP-5	£0.058				£0.005				£0.063
Kodak ESP-7	£0.057				£0.005				£0.062
Kodak ESP-9	£0.057				£0.005				£0.062
HP C4280	£0.222				£0.004				£0.227
HP C5180		£0.033	£0.030	£0.068	£0.020		£0.077	£0.077	£0.304
HP C5280	£0.225				£0.003				£0.228
HP C6380		£0.056	£0.032	£0.050	£0.004	£0.056			£0.197
HP OJ 6500		£0.074	£0.053	£0.069	£0.003				£0.200
Lexmark X5470	£0.208				£0.002				£0.210
Lexmark X7675	£0.222				£0.001				£0.223

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**France**  
**Ink Cartridge Pricing**  
(EURO)

Ink Cartridge Pricing								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	14.99 €				9.99 €			
Kodak ESP-5	14.99 €				9.99 €			
Kodak ESP-7	14.99 €				9.99 €			
Kodak ESP-9	14.99 €				9.99 €			
HP C4280	47.84 €				35.88 €			
HP C5180		11.96 €	11.96 €	11.96 €	35.88 €		11.96 €	11.96 €
HP C5280	47.84 €				35.88 €			
HP C6380		17.94 €	17.94 €	17.94 €	31.10 €	17.94 €		
HP OJ 6500		12.00 €	12.00 €	12.00 €	26.00 €			
Lexmark X5470	32.38 €				26.92 €			
Lexmark X7675	32.96 €				27.40 €			

**Cost of Ink Per Page – Mono (France)**

	Mono Ink Cost								Mono
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.003 €				0.018 €				0.021 €
Kodak ESP-5	0.003 €				0.018 €				0.022 €
Kodak ESP-7	0.003 €				0.018 €				0.022 €
Kodak ESP-9	0.003 €				0.019 €				0.022 €
HP C4280	0.017 €				0.033 €				0.050 €
HP C5180		0.004 €	0.009 €	0.005 €	0.036 €		0.001 €	0.001 €	0.056 €
HP C5280	0.015 €				0.033 €				0.048 €
HP C6380		0.003 €	0.002 €	0.002 €	0.041 €	0.002 €			0.049 €
HP OJ 6500		0.002 €	0.002 €	0.002 €	0.023 €				0.029 €
Lexmark X5470	0.006 €				0.051 €				0.057 €
Lexmark X7675	0.001 €				0.066 €				0.067 €

**Cost of Ink Per Page – Color (France)**

	Color Ink cost								Color
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.040 €				0.029 €				0.069 €
Kodak ESP-5	0.040 €				0.029 €				0.069 €
Kodak ESP-7	0.039 €				0.029 €				0.068 €
Kodak ESP-9	0.039 €				0.029 €				0.068 €
HP C4280	0.085 €				0.036 €				0.121 €
HP C5180		0.030 €	0.032 €	0.026 €	0.032 €		0.001 €	0.001 €	0.123 €
HP C5280	0.087 €				0.034 €				0.121 €
HP C6380		0.024 €	0.022 €	0.025 €	0.044 €	0.005 €			0.120 €
HP OJ 6500		0.023 €	0.023 €	0.024 €	0.024 €				0.093 €
Lexmark X5470	0.054 €				0.049 €				0.103 €
Lexmark X7675	0.065 €				0.062 €				0.127 €

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Cost of Ink Per Page – Photo (France)

	Photo Ink Cost								Photo
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.087 €				0.007 €				0.093 €
Kodak ESP-5	0.087 €				0.007 €				0.094 €
Kodak ESP-7	0.086 €				0.006 €				0.093 €
Kodak ESP-9	0.086 €				0.007 €				0.093 €
HP C4280	0.313 €				0.005 €				0.318 €
HP C5180		0.039 €	0.036 €	0.081 €	0.026 €		0.092 €	0.092 €	0.367 €
HP C5280	0.317 €				0.004 €				0.321 €
HP C6380		0.066 €	0.039 €	0.060 €	0.004 €	0.067 €			0.236 €
HP OJ 6500		0.081 €	0.058 €	0.075 €	0.003 €				0.218 €
Lexmark X5470	0.210 €				0.002 €				0.212 €
Lexmark X7675	0.262 €				0.002 €				0.263 €

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**Germany**  
**Ink Cartridge Pricing**  
(EURO)

Ink Cartridge Pricing								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	14.99 €				9.99 €			
Kodak ESP-5	14.99 €				9.99 €			
Kodak ESP-7	14.99 €				9.99 €			
Kodak ESP-9	14.99 €				9.99 €			
HP C4280	38.49 €				34.99 €			
HP C5180		11.99 €	11.99 €	11.99 €	33.99 €		11.99 €	11.99 €
HP C5280	38.49 €				34.99 €			
HP C6380		17.49 €	17.49 €	17.49 €	24.49 €	17.49 €		
HP OJ 6500		12.80 €	12.80 €	12.80 €	28.98 €			
Lexmark X5470	34.75 €				29.99 €			
Lexmark X7675	31.99 €				26.99 €			

**Cost of Ink Per Page – Mono (Germany)**

	Mono Ink Cost								Mono
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.003 €				0.018 €				0.021 €
Kodak ESP-5	0.003 €				0.018 €				0.022 €
Kodak ESP-7	0.003 €				0.018 €				0.022 €
Kodak ESP-9	0.003 €				0.019 €				0.022 €
HP C4280	0.013 €				0.032 €				0.046 €
HP C5180		0.004 €	0.009 €	0.005 €	0.034 €		0.001 €	0.001 €	0.054 €
HP C5280	0.012 €				0.032 €				0.044 €
HP C6380		0.002 €	0.002 €	0.002 €	0.032 €	0.002 €			0.040 €
HP OJ 6500		0.002 €	0.002 €	0.002 €	0.026 €				0.032 €
Lexmark X5470	0.006 €				0.057 €				0.064 €
Lexmark X7675	0.001 €				0.065 €				0.066 €

**Cost of Ink Per Page – Color (Germany)**

	Color Ink cost								Color
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.040 €				0.029 €				0.069 €
Kodak ESP-5	0.040 €				0.029 €				0.069 €
Kodak ESP-7	0.039 €				0.029 €				0.068 €
Kodak ESP-9	0.039 €				0.029 €				0.068 €
HP C4280	0.068 €				0.035 €				0.104 €
HP C5180		0.031 €	0.032 €	0.026 €	0.031 €		0.001 €	0.001 €	0.122 €
HP C5280	0.070 €				0.033 €				0.103 €
HP C6380		0.023 €	0.022 €	0.024 €	0.035 €	0.005 €			0.109 €
HP OJ 6500		0.024 €	0.024 €	0.025 €	0.027 €				0.100 €
Lexmark X5470	0.058 €				0.055 €				0.113 €
Lexmark X7675	0.063 €				0.061 €				0.124 €

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Cost of Ink Per Page – Photo (Germany)

	Photo Ink Cost								Photo
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.087 €				0.007 €				0.093 €
Kodak ESP-5	0.087 €				0.007 €				0.094 €
Kodak ESP-7	0.086 €				0.006 €				0.093 €
Kodak ESP-9	0.086 €				0.007 €				0.093 €
HP C4280	0.252 €				0.005 €				0.257 €
HP C5180		0.039 €	0.037 €	0.081 €	0.025 €		0.092 €	0.092 €	0.366 €
HP C5280	0.255 €				0.004 €				0.259 €
HP C6380		0.065 €	0.038 €	0.058 €	0.004 €	0.065 €			0.229 €
HP OJ 6500		0.086 €	0.062 €	0.081 €	0.004 €				0.233 €
Lexmark X5470	0.226 €				0.002 €				0.227 €
Lexmark X7675	0.254 €				0.002 €				0.256 €

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**Italy**  
**Ink Cartridge Pricing**  
(EURO)

Ink Cartridge Pricing								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	14.99 €				9.99 €			
Kodak ESP-5	14.99 €				9.99 €			
Kodak ESP-7	14.99 €				9.99 €			
Kodak ESP-9	14.99 €				9.99 €			
HP C4280	38.00 €				33.00 €			
HP C5180		12.00 €	12.00 €	12.00 €	33.00 €		12.00 €	12.00 €
HP C5280	38.00 €				33.00 €			
HP C6380		17.00 €	17.00 €	17.00 €	28.00 €	17.00 €		
HP OJ 6500		9.00 €	9.00 €	9.00 €	20.00 €			
Lexmark X5470	28.26 €				21.54 €			
Lexmark X7675	30.66 €				24.66 €			

**Cost of Ink Per Page – Mono (Italy)**

	Mono Ink Cost								Mono
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.003 €				0.018 €				0.021 €
Kodak ESP-5	0.003 €				0.018 €				0.022 €
Kodak ESP-7	0.003 €				0.018 €				0.022 €
Kodak ESP-9	0.003 €				0.019 €				0.022 €
HP C4280	0.013 €				0.031 €				0.044 €
HP C5180		0.004 €	0.009 €	0.005 €	0.033 €		0.001 €	0.001 €	0.053 €
HP C5280	0.012 €				0.030 €				0.042 €
HP C6380		0.002 €	0.002 €	0.002 €	0.037 €	0.002 €			0.044 €
HP OJ 6500		0.002 €	0.002 €	0.001 €	0.018 €				0.022 €
Lexmark X5470	0.005 €				0.041 €				0.046 €
Lexmark X7675	0.001 €				0.060 €				0.060 €

**Cost of Ink Per Page – Color (Italy)**

	Color Ink cost								Color
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.040 €				0.029 €				0.069 €
Kodak ESP-5	0.040 €				0.029 €				0.069 €
Kodak ESP-7	0.039 €				0.029 €				0.068 €
Kodak ESP-9	0.039 €				0.029 €				0.068 €
HP C4280	0.068 €				0.033 €				0.101 €
HP C5180		0.031 €	0.033 €	0.026 €	0.030 €		0.001 €	0.001 €	0.121 €
HP C5280	0.069 €				0.032 €				0.100 €
HP C6380		0.022 €	0.021 €	0.024 €	0.040 €	0.005 €			0.112 €
HP OJ 6500		0.017 €	0.017 €	0.018 €	0.018 €				0.070 €
Lexmark X5470	0.047 €				0.040 €				0.087 €
Lexmark X7675	0.060 €				0.056 €				0.116 €

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Cost of Ink Per Page – Photo (Italy)

	Photo Ink Cost								Photo
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.087 €				0.007 €				0.093 €
Kodak ESP-5	0.087 €				0.007 €				0.094 €
Kodak ESP-7	0.086 €				0.006 €				0.093 €
Kodak ESP-9	0.086 €				0.007 €				0.093 €
HP C4280	0.248 €				0.005 €				0.253 €
HP C5180		0.039 €	0.037 €	0.081 €	0.024 €		0.092 €	0.092 €	0.366 €
HP C5280	0.252 €				0.003 €				0.255 €
HP C6380		0.063 €	0.037 €	0.056 €	0.004 €	0.063 €			0.223 €
HP OJ 6500		0.061 €	0.044 €	0.057 €	0.003 €				0.164 €
Lexmark X5470	0.184 €				0.001 €				0.185 €
Lexmark X7675	0.243 €				0.002 €				0.245 €

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**Spain**  
**Ink Cartridge Pricing**  
(EURO)

Ink Cartridge Pricing								
	CMY	C	M	Y	K1	K2	LC	LM
Kodak ESP-3	14.99 €				9.99 €			
Kodak ESP-5	14.99 €				9.99 €			
Kodak ESP-7	14.99 €				9.99 €			
Kodak ESP-9	14.99 €				9.99 €			
HP C4280	40.00 €				37.00 €			
HP C5180		13.00 €	13.00 €	13.00 €	36.00 €		13.00 €	13.00 €
HP C5280	40.00 €				37.00 €			
HP C6380		18.56 €	18.56 €	18.56 €	31.32 €	18.56 €		
HP OJ 6500		13.00 €	13.00 €	13.00 €	26.00 €			
Lexmark X5470	27.78 €				25.45 €			
Lexmark X7675	29.75 €				23.55 €			

**Cost of Ink Per Page – Mono (Spain)**

	Mono Ink Cost								Mono
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.003 €				0.018 €				0.021 €
Kodak ESP-5	0.003 €				0.018 €				0.022 €
Kodak ESP-7	0.003 €				0.018 €				0.022 €
Kodak ESP-9	0.003 €				0.019 €				0.022 €
HP C4280	0.014 €				0.034 €				0.048 €
HP C5180		0.005 €	0.009 €	0.005 €	0.036 €		0.001 €	0.001 €	0.058 €
HP C5280	0.013 €				0.034 €				0.047 €
HP C6380		0.003 €	0.002 €	0.002 €	0.041 €	0.002 €			0.050 €
HP OJ 6500		0.002 €	0.002 €	0.002 €	0.023 €				0.030 €
Lexmark X5470	0.005 €				0.048 €				0.054 €
Lexmark X7675	0.001 €				0.057 €				0.058 €

**Cost of Ink Per Page – Color (Spain)**

	Color Ink cost								Color
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.040 €				0.029 €				0.069 €
Kodak ESP-5	0.040 €				0.029 €				0.069 €
Kodak ESP-7	0.039 €				0.029 €				0.068 €
Kodak ESP-9	0.039 €				0.029 €				0.068 €
HP C4280	0.071 €				0.037 €				0.109 €
HP C5180		0.033 €	0.035 €	0.028 €	0.032 €		0.001 €	0.001 €	0.131 €
HP C5280	0.072 €				0.035 €				0.108 €
HP C6380		0.024 €	0.023 €	0.026 €	0.045 €	0.005 €			0.123 €
HP OJ 6500		0.025 €	0.024 €	0.026 €	0.024 €				0.099 €
Lexmark X5470	0.046 €				0.047 €				0.093 €
Lexmark X7675	0.058 €				0.053 €				0.112 €

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Cost of Ink Per Page – Photo (Spain)

	Photo Ink Cost								Photo
	CMY	C	M	Y	K1	K2	LC	LM	CoIPP
Kodak ESP-3	0.087 €				0.007 €				0.093 €
Kodak ESP-5	0.087 €				0.007 €				0.094 €
Kodak ESP-7	0.086 €				0.006 €				0.093 €
Kodak ESP-9	0.086 €				0.007 €				0.093 €
HP C4280	0.261 €				0.005 €				0.267 €
HP C5180		0.042 €	0.040 €	0.088 €	0.026 €		0.100 €	0.100 €	0.396 €
HP C5280	0.265 €				0.004 €				0.269 €
HP C6380		0.069 €	0.040 €	0.062 €	0.004 €	0.069 €			0.244 €
HP OJ 6500		0.088 €	0.063 €	0.082 €	0.003 €				0.236 €
Lexmark X5470	0.180 €				0.002 €				0.182 €
Lexmark X7675	0.236 €				0.001 €				0.238 €

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## **Appendix B: QualityLogic Declared Yield Test Results**

The following data was extracted from the Yield Reports for each product tested. Complete reports are available from QualityLogic upon request.

# ISO Test Results - Summary

## Test Methodology

In order to obtain these yield results, two different methodologies were used in combination with three test suites. This section will detail the common areas between the methodologies, the differences between them, and highlight some key terms from ISO/IEC 24711, 24712, and 19752 that are particularly important to understand when reviewing these yield claims.

### Common Methodology and Definitions

Number of Printers Tested	Minimum of three.
Number of Cartridges Tested	Minimum of nine of each color.
Temperature	Testing room average 23.0°C ± 2°C with all running average temperatures between 20.0°C and 26.0°C.
Fade	Phenomenon in which a significant reduction in uniformity occurs due to ink depletion.
Ink Out	Signal generated by the printing system when the usable ink in the system is depleted and the printer stops printing.
End of Life (EOL)	A condition determined by one of two mechanisms: fade or ink out (only if ink out stops printing).
Semi-Continuous Printing	Printing in a continuous manner, pausing only for intra-job servicing, printer calibrations, paper changes, breaks, and end of work days.
Declared Cartridge Yield	Cartridge Yield (in pages) that is at or below the lower 90% confidence bound of the average yield.
Estimated Supplemental Cartridge Yield	Estimated yield for a supplemental cartridge (real or estimated with use of a proxy) calculated with at least three cartridges.
Average Supplemental Cartridge Yield	Average yield for a supplemental cartridge where EOL was reached on at least nine cartridges (three per printer).
Proxy Cartridge	A primary cartridge of the same physical size as a supplemental cartridge which had a starting weight within +/- 10% of the supplemental cartridge starting weight.

**Mono Ink Methodology and Definitions –  
In accordance with ISO/IEC 24711, ISO/IEC 19752**

Test Suite	ISO/IEC 19752
Driver Set-up	See Color Ink Methodology. In addition, if a “Black Only” or “Text Only” mode was available in the driver, it was enabled.
Paper	A4 or 8 ½" x 11" (see individual test reports).
Semi-Continuous Printing	Each copy of the test suite was printed as a separate one-page print job allowing for some intra-job servicing and calibration to take place.
Primary Cartridge	The black cartridge or, if no black cartridge was present, the color cartridges that were used to develop composite black.
Supplemental Cartridge	Any installed cartridge except the full density black cartridge, including the full density Cyan, Magenta, and Yellow cartridges, as well as any photo cartridges.
Individual Cartridge Yield	The number of test pages printed between cartridge installation and end of life.

**Color Ink Methodology and Definitions –  
In accordance with ISO/IEC 24711, ISO IEC 24712**

Test Suite	ISO/IEC 24712
Driver Set-up	All image and print quality modifiers were set to their factory pre-set configuration for the printer and default installed condition for the driver. If auto media detection was available on the printer, it was disabled and media-type set to plain paper.
Paper	A4 or 8 ½" by 11" (see individual test reports).
Semi-Continuous Printing	Each copy of the test suite was printed as a separate five-page print job allowing for some intra-job servicing and calibration to take place.
Primary Cartridge	Cartridge containing full density black, cyan, magenta, or yellow, or a combination of full density cyan, magenta and yellow.
Supplemental Cartridge	Cartridge other than the full density cyan, magenta, yellow and black cartridges.
Individual Cartridge Yield	Value determined by counting the number of diagnostic pages (last page of the test page suite) printed between cartridge installation and end of life, and multiplying by five.

**Photo Ink Methodology and Definitions –  
In accordance with QualityLogic Color Photo Cartridge Yield Test  
Methodology**

Test Suite	QualityLogic Color Photo Suite.
Driver Set-up	The highest print quality mode readily available in the driver was used.
Paper	The best photo paper recommended by each manufacturer. A4 or 8 ½" x 11" papers were used to print a borderless 4" x 6" (approximately 10 x 15 cm) photo. (See individual test reports).
Semi-Continuous Printing	Each copy of the test suite was printed as a separate 10-page print job allowing for some intra-job servicing and calibration to take place.
Primary Cartridge	Cyan, Magenta, Yellow and Photo cartridges or any cartridges containing these colors were considered as primary cartridges. In addition, any other cartridge that exhausted nine or more cartridges during the execution of nine of the above cartridges was considered as primary.
Supplemental Cartridge	Any cartridge installed in the printer while printing photos that did not meet the definition of a primary cartridge was considered a supplemental cartridge.
Individual Cartridge Yield	The number of test pages printed between cartridge installation and end of life.

The following data was extracted from the Yield Reports for each product tested – complete reports are available upon request.

<b>Printer Identifier</b>	<b>ESP-3 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	September 10, 2008 to September 22, 2008
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness, 20lb. weight
Driver version	Driver Version = 07/17/2008, 2.07.0151.0 Color Ink test: The driver's default settings were used. Mono Ink Test: Print color as = Changed to Black and White from Color

**Declaration of Yield**

**Inkjet Cartridge Yield when tested in Kodak ESP-3 All-in-One Printer:**

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 340 standard pages

Average Color Cartridge Yield – Up to 379 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 555 standard pages

Estimated supplemental Color Cartridge Yield – Up to 4,313 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	345	9	340	9/12	Primary
Color Ink Cartridge 10	Color	386	11	379	9/9	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	557	7	555	25/26	Primary
Color Ink Cartridge 10	Color	4,758	264	4,313	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>ESP-3 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	September 10, 2008 to September 22, 2008
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	KODAK Ultra Premium Photo Paper High Gloss
Driver version	Driver Version = 07/17/2008, 2.07.0151.0 The driver's default settings were used.

**Declaration of Yield**

**Inkjet Cartridge Yield when tested in Kodak ESP-3 All-in-One Printer:**

Using the QualityLogic Color Photo test suite provides the following results:

Average Color Cartridge Yield – Up to 173 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,509 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Color Ink Cartridge 10	Color	173	1	173	9/9	Primary
Black Ink Cartridge 10	K (Black)	1,719	124	1,509	3/3	Supplemental

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<b>Printer Identifier</b>	<b>ESP-5 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	August 25, 2008 to September 4, 2008
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness, 20lb. weight
Driver version	Driver Version = 07/17/2008, 2.07.0151.0 Color Ink test: The driver's default settings were used. Mono Ink Test: Print color as = Changed to Black and White from Color

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in Kodak ESP-5 All-in-One Printer:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 342 standard pages
- Average Color Cartridge Yield – Up to 379 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 551 standard pages
- Estimated supplemental Color Cartridge Yield – Up to 4,395 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	347	8	342	9/12	Primary
Color Ink Cartridge 10	Color	387	13	379	9/9	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	552	2	551	24/24	Primary
Color Ink Cartridge 10	Color	4,415	12	4,395	3/3	Supplemental

<b>Printer Identifier</b>	<b>ESP-5 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	September 4, 2008 to September 8, 2008
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	KODAK Ultra Premium Photo Paper High Gloss
Driver version	Driver Version = 07/17/2008, 2.07.0151.0 The driver's default settings were used.

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in Kodak ESP-5 All-in-One Printer:

Using the QualityLogic Color Photo test suite provides the following results:

Average Color Cartridge Yield – Up to 172 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,371 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Color Ink Cartridge 10	Color	173	1	172	9/9	Primary
Black Ink Cartridge 10	K (Black)	1,677	182	1,371	3/3	Supplemental

<b>Printer Identifier</b>	<b>ESP-7 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	March 19, 2009 to April 9, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness, 20lb. weight
Driver version	Driver Version = 07/18/2008, 2.07.151.0 Mono Ink Test: Print colors as (Advanced Tab) = Changed to Black and White from Color.

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in Kodak ESP-7 All-in-One Printer:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 342 standard pages

Average Color Cartridge Yield – Up to 385 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 542 standard pages

Estimated supplemental Color Cartridge Yield – Up to 4,332 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	347	8	342	9/13	Primary
Color Ink Cartridge 10	Color	390	9	385	9/10	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	548	18	542	23/25	Primary
Color Ink Cartridge 10	Color	4,358	15	4,332	3/4	Supplemental

<b>Printer Identifier</b>	<b>ESP-7 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	March 19, 2009 to April 10, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	KODAK Ultra Premium Photo Paper High Gloss
Driver version	Driver Version = 07/18/2008, 2.07.151.0

**Declaration of Yield**

**Inkjet Cartridge Yield when tested in Kodak ESP-7 All-in-One Printer:**

Using the QualityLogic Color Photo test suite provides the following results:

Average Color Cartridge Yield – Up to 174 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,546 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Color Ink Cartridge 10	Color	174	1	174	9/10	Primary
Black Ink Cartridge 10	K (Black)	1,591	26	1,546	3/4	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>ESP-9 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	April 13, 2009 to April 24, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	Letter
Media used	Xerox Business 4200, 92 Brightness, 20lb. weight
Driver version	Driver Version = 08/21/2008,3.1.3.0 Mono Ink Test: Print colors as (Advanced Tab) = Changed to Black and White from Color.

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in Kodak ESP-9 All-in-One Printer:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 342 standard pages

Average Color Cartridge Yield – Up to 385 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 539 standard pages

Estimated supplemental Color Cartridge Yield – Up to 4,357 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	346	7	342	9/15	Primary
Color Ink Cartridge 10	Color	392	11	385	9/12	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Black Ink Cartridge 10	K (Black)	546	19	539	24/24	Primary
Color Ink Cartridge 10	Color	4,365	5	4,357	3/3	Supplemental

<b>Printer Identifier</b>	<b>ESP-9 All-in-One Printer</b>
Printer Manufacturer	Kodak
Cartridge Identifier	Black Ink Cartridge 10 & Color Ink Cartridge 10
Cartridge Type	Separate ink supply and print head
Date Tested	April 24, 2009 to April 28, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 8 ½" x 11" photo paper
Media used	KODAK Ultra Premium Photo Paper High Gloss
Driver version	Driver Version = 08/21/2008,3.1.3.0

**Declaration of Yield**

**Inkjet Cartridge Yield when tested in Kodak ESP-9 All-in-One Printer:**

Using the QualityLogic Color Photo test suite provides the following results:

Average Color Cartridge Yield – Up to 174 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 1,405 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
Color Ink Cartridge 10	Color	175	2	174	9/9	Primary
Black Ink Cartridge 10	K (Black)	1,718	185	1,405	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart C4280</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP350XL, HP351XL
Cartridge Type	Integral ink supply and print head
Date Tested	July 25, 2007 to August 14, 2007
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	HammerMill Fore MP-White, 96 Brightness 20lb. weight
Driver version	Driver Version = 12/26/2006,61.063.247.00 The following driver settings were used: Print Quality = Normal Paper Type = Plain paper Size = A4

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in HP Photosmart C4280:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 987 standard pages
- Average Tri-color Cartridge Yield – Up to 562 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,078 standard pages
- Estimated supplemental Tri-color Cartridge Yield Up to 2,868 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 350XL	K (Black)	1,008	33	987	9/12	Primary
HP 351XL	Tri-color	571	20	562	15/21	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 350XL	K (Black)	1,107	47	1,078	9/11	Primary
HP 351XL	Tri-color	3,664	472	2,868	3/5	Supplemental

<b>Printer Identifier</b>	<b>HP Photosmart C4280</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP350XL, HP351XL
Cartridge Type	Integral ink supply and print head
Date Tested	August 10, 2007 to August 20, 2007
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297mm photo paper
Media used	HP Premium Plus High-gloss Photo Paper (Q1786A)
Driver version	Driver Version = 12/26/2006,61.063.247.00 The following settings were used: Print Quality = Best Paper Type = HP Premium Plus Photo Papers Size = A4

**Declaration of Yield**

<p><b>Inkjet Cartridge Yield when tested in HP Photosmart C4280:</b></p> <p>Using the QualityLogic Color Photo test suite provides the following results:  Average Tri-color Cartridge Yield – Up to 153 standard pages  Estimated supplemental K (Black) Cartridge Yield – Up to 6,843 standard pages</p> <p>Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology</p>
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Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 351XL	Tri-color	158	8	153	9/9	Primary
HP 350XL	K (Black)	8,700	1,101	6,843	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart C5180</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP363 C8719EE, C8771EE, C8772EE, C8773EE, C8774EE, C8775EE
Cartridge Type	Separate ink supply and print head
Date Tested	May 29, 2007 to July 23, 2007
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	HammerMill Fore MP-White, 96 Brightness 20lb. weight
Driver version	Driver Version = 04/26/2006, 60.054.45.00 The following driver settings were used: Print Quality = Normal Paper Type = Plain paper Size = A4

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in HP Photosmart C5180:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,109 standard pages
- Average Cyan Cartridge Yield – Up to 393 standard pages
- Average Magenta Cartridge Yield – Up to 369 standard pages
- Average Yellow Cartridge Yield – Up to 465 standard pages
- Estimated supplemental Light Cyan Cartridge Yield – Up to 10,520 standard pages
- Estimated supplemental Light Magenta Cartridge Yield – Up to 9,430 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,005 standard pages
- Estimated supplemental Cyan Cartridge Yield Up to 2,798 standard pages
- Estimated supplemental Magenta Cartridge Yield Up to 1,372 standard pages
- Estimated supplemental Yellow Cartridge Yield Up to 2,452 standard pages
- Estimated supplemental Light Cyan Cartridge Yield Up to 12,539 standard pages
- Estimated supplemental Light Magenta Cartridge Yield Up to 9,194 standard pages

Values obtained by continuous printing. Declared yield value in accordance with ISO/IEC 24711.

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP363 C8719EE	K (Black)	1,138	46	1,109	9/12	Primary
HP363 C8771EE	Cyan	410	50	393	24/30	Primary
HP363 C8772EE	Magenta	395	73	369	24/30	Primary
HP363 C8773EE	Yellow	489	58	465	18/24	Primary
HP363 C8774EE	Light Cyan	16,570	3,589	10,520	3/6	Supplemental
HP363 C8775EE	Light Magenta	17,611	4,853	9,430	3/6	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP363 C8719EE	K (Black)	1,027	35	1,005	9/9	Primary
HP363 C8771EE	Cyan	2,978	107	2,798	3/4	Supplemental
HP363 C8772EE	Magenta	1,939	337	1,372	3/6	Supplemental
HP363 C8773EE	Yellow	2,822	219	2,452	3/5	Supplemental
HP363 C8774EE	Light Cyan	19,849	4,336	12,539	3/3	Supplemental
HP363 C8775EE	Light Magenta	17,371	4,850	9,194	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart C5180</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP363 C8719EE, C8771EE, C8772EE, C8773EE, C8774EE, C8775EE
Cartridge Type	Separate ink supply and print head
Date Tested	June 11, 2007 to June 19, 2007
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297 mm photo paper
Media used	HP Premium Plus High-gloss Photo Paper (Q1786A)
Driver version	Driver Version = 04/26/2006, 60.054.45.00 The following driver settings were used: Print Quality = Best Paper Type = HP Premium Plus Photo Papers Size = A4

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in HP Photosmart C5180:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 306 standard pages
- Average Magenta Cartridge Yield – Up to 328 standard pages
- Average Yellow Cartridge Yield – Up to 148 standard pages
- Average Light Cyan Cartridge Yield – Up to 130 standard pages
- Average Light Magenta Cartridge Yield – Up to 130 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 1,367 standard pages

Values obtained by continuous printing. Declared yield value in accordance with QualityLogic Color Photo Cartridge Yield Test Methodology.

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP363 C8771EE	Cyan	331	41	306	9/12	Primary
HP363 C8772EE	Magenta	364	58	328	9/9	Primary
HP363 C8773EE	Yellow	161	33	148	18/21	Primary
HP363 C8774EE	Light Cyan	137	21	130	22/25	Primary
HP363 C8775EE	Light Magenta	139	24	130	21/24	Primary
HP363 C8719EE	K (Black)	1,500	79	1,367	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart C5280</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP350XL, HP351XL
Cartridge Type	Integral ink supply and print head
Date Tested	August 27, 2007 to September 12, 2007
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	HammerMill Fore MP-White, 96 Brightness 20lb. weight
Driver version	Driver Version = 61.71.244.0 The following driver settings were used: Print Quality = Normal Paper Type = Plain paper Size = A4

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in Hewlett-Packard Photosmart C5280:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,045 standard pages
- Average Tri-color Cartridge Yield – Up to 553 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,082 standard pages
- Estimated supplemental Tri-color Cartridge Yield Up to 3,171 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 350XL	K (Black)	1,058	22	1,045	9/9	Primary
HP 351XL	Tri-color	562	20	553	15/18	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 350XL	K (Black)	1,104	34	1,082	9/9	Primary
HP 351XL	Tri-color	3,182	6	3,171	3/6	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart C5280</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP350XL, HP351XL
Cartridge Type	Integral ink supply and print head
Date Tested	September 11, 2007 to September 13, 2007
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297mm photo paper
Media used	HP Premium Plus High-gloss Photo Paper (Q1786A)
Driver version	Driver Version = 61.71.244.0 The following driver settings were used: Print Quality = Best Paper Type = HP Premium Plus Photo Papers Size = A4

**Declaration of Yield**

**Inkjet Cartridge Yield when tested in Hewlett-Packard Photosmart C5280:**

Using the QualityLogic Color Photo test suite provides the following results:  
Average Tri-color Cartridge Yield – Up to 151 standard pages  
Estimated supplemental K (Black) Cartridge Yield – Up to 9,626 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 351XL	Tri-color	154	4	151	9/9	Primary
HP 350XL	K (Black)	10,180	328	9,626	3/3	Supplemental

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<b>Printer Identifier</b>	<b>HP Photosmart C6380</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP364XL - CB321EE, CB322EE, CB323EE, CB324EE, CB325EE
Cartridge Type	Separate ink supply and print head
Date Tested	October 31, 2008 to November 19, 2008
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	Hammermill Fore Multi-Purpose, 96 Brightness 20lb. weight
Driver version	Driver Version = 61.81.2311.0 The following driver settings were changed from default: Color Ink Test: Paper type = Changed to Plain paper from Automatic Size = Changed to A4 from Letter Mono Ink Test: Paper type = Changed to Plain paper from Automatic Size = Changed to A4 from Letter Print all text as black was enabled in the Advanced tab

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Photosmart C6380 All-in One:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 702 standard pages
- Average Cyan Cartridge Yield – Up to 763 standard pages
- Average Magenta Cartridge Yield – Up to 800 standard pages
- Average Yellow Cartridge Yield – Up to 715 standard pages
- Estimated supplemental K (Photo Black) Cartridge Yield – Up to 3,675 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 767 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 7,176 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 8,395 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 8,467 standard pages
- Estimated supplemental K (Photo Black) Cartridge Yield – Up to 10,764 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 364XL CB321EE	K (Black)	726	39	702	9/15	Primary
HP 364XL CB323EE	Cyan	790	43	763	9/15	Primary
HP 364XL CB324EE	Magenta	829	47	800	9/12	Primary
HP 364XL CB325EE	Yellow	728	20	715	9/15	Primary
HP 364XL CB322EE	K (Photo Black)	4,157	286	3,675	3/6	Supplemental

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 364XL CB321EE	K (Black)	813	73	767	9/9	Primary
HP 364XL CB323EE	Cyan	7,559	227	7,176	3/3	Supplemental
HP 364XL CB324EE	Magenta	8,790	234	8,395	3/3	Supplemental
HP 364XL CB325EE	Yellow	8,998	315	8,467	3/3	Supplemental
HP 364XL CB322EE	K (Photo Black)	11,123	213	10,764	3/3	Supplemental

Test results and cost information provided by QualityLogic. Tests were performed under laboratory conditions and end-user's results may vary. Test results, ink cartridge pricing and cost per page pricing subject to change without notice by QualityLogic. All test results and cost information are provided "as-is," "as available," and all warranties, expressed or implied are hereby disclaimed. Users of the information contained herein assume full responsibility and risk of loss resulting from usage thereof.

<b>Printer Identifier</b>	<b>HP Photosmart C6380</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP364XL - CB321EE, CB322EE, CB323EE, CB324EE, CB325EE
Cartridge Type	Separate ink supply and print head
Date Tested	March 9, 2009 to April 10, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297mm photo paper
Media used	HP Premium Plus Photo Paper, High gloss (Q1786A)
Driver version	Driver Version = 61.81.2311.0 The following driver settings were changed from default: Paper Type = Changed to Plain paper from Automatic Print Quality = Changed to Best from Normal. Size = Changed to from Letter

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Photosmart C6380 All-in One:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 270 standard pages
- Average Magenta Cartridge Yield – Up to 462 standard pages
- Average Yellow Cartridge Yield – Up to 301 standard pages
- Average K (Photo Black) Cartridge Yield – Up to 269 standard pages
- Estimated supplemental (Average) K (Black) Cartridge Yield – Up to 6,989 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 364XL CB323EE	Cyan	280	20	270	14/18	Primary
HP 364XL CB324EE	Magenta	476	23	462	9/10	Primary
HP 364XL CB325EE	Yellow	313	23	301	12/16	Primary
HP 364XL CB322EE	K (Photo Black)	289	40	269	13/17	Primary
HP 364XL CB321EE	K (Black)	7,670	404	6,989	3/4	Supplemental

<b>Printer Identifier</b>	<b>HP Officejet 6500 All-in-One</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP 920XL - CD975AE, CD972AE, CD973AE, CD974AE
Cartridge Type	Separate ink supply and print head
Date Tested	May 8, 2009 to May 20, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	HammerMill Fore MP-White, 96 Brightness 20lb. weight
Driver version	Driver version = 70.82.15.0 The following driver settings were changed from default: Paper type = Changed to Plain paper from Automatic. Paper sizes = Changed to A4 from Letter

## Declaration of Yield

### Inkjet Cartridge Yield when tested in HP Officejet 6500 All-in-One:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,089 standard pages
- Average Cyan Cartridge Yield – Up to 528 standard pages
- Average Magenta Cartridge Yield – Up to 532 standard pages
- Average Yellow Cartridge Yield – Up to 506 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 1,126 standard pages
- Estimated supplemental Cyan Cartridge Yield – Up to 5,264 standard pages
- Estimated supplemental Magenta Cartridge Yield – Up to 5,992 standard pages
- Estimated supplemental Yellow Cartridge Yield – Up to 6,726 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 920XL (CD975AE)	K (Black)	1,091	4	1,089	9/12	Primary
HP 920XL (CD972AE)	Cyan	531	6	528	18/24	Primary
HP 920XL (CD973AE)	Magenta	535	8	532	18/24	Primary
HP 920XL (CD974AE)	Yellow	509	8	506	18/24	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 920XL (CD975AE)	K (Black)	1,130	5	1,126	9/9	Primary
HP 920XL (CD972AE)	Cyan	5,531	158	5,264	3/3	Supplemental
HP 920XL (CD973AE)	Magenta	6,204	126	5,992	3/3	Supplemental
HP 920XL (CD974AE)	Yellow	7,081	211	6,726	3/3	Supplemental

<b>Printer Identifier</b>	<b>HP Officejet 6500 All-in-One</b>
Printer Manufacturer	Hewlett-Packard
Cartridge Identifier	HP 920XL - CD975AE, CD972AE, CD973AE, CD974AE
Cartridge Type	Separate ink supply and print head
Date Tested	May 20, 2009 to May 22, 2009
EOL Criteria	This printer has Ink Out which stops printing. Whichever came first, either Ink Out or Fade, was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297mm photo paper
Media used	HP Premium Plus Photo Paper, Q1786A
Driver version	Driver version = 70.82.15.0 The following driver settings were changed from default: Paper type = Changed to HP Premium Plus Photo Papers from Automatic. Print quality = Changed to Best from Automatic Paper sizes = Changed to A4 from Letter

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in HP Officejet 6500 All-in-One:

Using the QualityLogic Color Photo test suite provides the following results:

- Average Cyan Cartridge Yield – Up to 148 standard pages
- Average Magenta Cartridge Yield – Up to 206 standard pages
- Average Yellow Cartridge Yield – Up to 159 standard pages
- Estimated supplemental K (Black) Cartridge Yield – Up to 7,487 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
HP 920XL (CD972AE)	Cyan	150	3	148	12/15	Primary
HP 920XL (CD973AE)	Magenta	206	1	206	9/9	Primary
HP 920XL (CD974AE)	Yellow	159	-	159	9/12	Primary
HP 920XL (CD975AE)	K (Black)	8,106	367	7,487	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark X5470 All-in-One</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	34, 35
Cartridge Type	Integral ink supply and print head
Date Tested	June 20, 2007 to June 26, 2007
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	HammerMill Fore MP-White, 96 Brightness 20lb. weight
Driver version	DriverVer= 3.117.0.0 The following settings were used: Quality = Automatic Type = Plain Size = A4

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark X5470 All-in-One:

Using the test suite defined in ISO/IEC 24712 provides the following results:

- Average K (Black) Cartridge Yield – Up to 544 standard pages
- Average Tri-color Cartridge Yield – Up to 600 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

- Average K (Black) Cartridge Yield – Up to 525 standard pages
- Estimated supplemental Tri-color Cartridge Yield Up to 5,409 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
34 (18C0034)	K (Black)	557	22	544	9/12	Primary
35 (18C0035)	Tri-color	624	40	600	9/9	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
34 (18C0034)	K (Black)	539	22	525	9/9	Primary
35 (18C0035)	Tri-color	5,594	110	5,409	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark X5470 All-in-One</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	34, 35
Cartridge Type	Integral ink supply and print head
Date Tested	June 26, 2007 to July 2, 2007
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297 mm photo paper
Media used	Lexmark Premium Photo Paper (21G0709)
Driver version	Driver Version = 3.117.0.0 The following settings were used: Quality = Photo Type = Lexmark Premium Photo Paper Size = A4

### Declaration of Yield

#### Inkjet Cartridge Yield when tested in Lexmark X5470 All-in-One:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield – Up to 154 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 16,604 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
35 (18C0035)	Tri-color	158	7	154	9/9	Primary
34 (18C0034)	K (Black)	17,287	406	16,604	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark Professional X7675</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	43XL, 44XL
Cartridge Type	Integral ink supply and print head
Date Tested	March 26, 2009 to April 10, 2009
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	A4
Media used	Hammermill Fore Multi-Purpose, 96 Brightness 20lb. weight
Driver version	Driver Version = 6.62.0.0 The following driver settings were changed from default: Color Ink Test: Media Type = Changed to Plain Paper from Automatic. Paper Size = Changed to A4 from Letter Mono Ink Test: Media Type = Changed to Plain Paper from Automatic. Paper Size = Changed to A4 from Letter. The "Print in black and white" option was enabled on the Print Setup tab.

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark Professional X7675:

Using the test suite defined in ISO/IEC 24712 provides the following results:

Average K (Black) Cartridge Yield – Up to 443 standard pages  
Average Tri-color Cartridge Yield – Up to 509 standard pages

Using the test page defined in ISO/IEC 19752 provides the following results:

Average K (Black) Cartridge Yield – Up to 414 standard pages  
Estimated supplemental Tri-color Cartridge Yield – Up to 43,355 standard pages

Values obtained by continuous printing. Declared yield values in accordance with ISO/IEC 24711

Using 24712 Test Suite						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
44XL	K (Black)	467	39	443	9/15	Primary
43XL	Tri-color	527	30	509	9/13	Primary

Using 19752 Test Page						
Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
44XL	K (Black)	433	31	414	9/9	Primary
43XL	Tri-color	46,617	1,935	43,355	3/3	Supplemental

<b>Printer Identifier</b>	<b>Lexmark Professional X7675</b>
Printer Manufacturer	Lexmark
Cartridge Identifier	43XL, 44XL
Cartridge Type	Integral ink supply and print head
Date Tested	April 10, 2009 to April 15, 2009
EOL Criteria	Fade was used as the EOL criteria.
Print mode used	Continuous
Paper Size	4" x 6" borderless photo on 210 x 297mm photo paper
Media used	Lexmark PerfectFinish Photo Paper # 19Y0205
Driver version	Driver Version = 6.62.0.0 The following driver settings were changed from default: Changed to Best from Automatic on the Print Setup tab. Media Type = Changed to Lexmark PerfectFinish Photo Paper from Automatic. Paper Size = Changed to A4 from Letter.

## Declaration of Yield

### Inkjet Cartridge Yield when tested in Lexmark Professional X7675:

Using the QualityLogic Color Photo test suite provides the following results:

Average Tri-color Cartridge Yield – Up to 126 standard pages

Estimated supplemental K (Black) Cartridge Yield – Up to 15,822 standard pages

Values obtained by continuous printing. Declared yield values in accordance with QualityLogic Color Photo Yield Test Methodology

Cartridge Identifier	Color	Average (pages)	Standard Deviation (pages)	90% Lower Confidence (pages)	Number used in calculations/test	Primary/ Supplemental
43XL	Tri-color	132	9	126	9/9	Primary
44XL	K (Black)	17,104	761	15,822	3/3	Supplemental

## Sub-Appendix B1 – Test Pages

### ISO/ ISO/IEC 24712 Test Suite



### ISO/IEC 19752 Test Page



## QualityLogic Photo Test Suite

