



*AMERICAN TESTING LABORATORY, LLC.
108 JOHN ST.
HACKENSACK, NJ 07601*

InkTec Test Report

Ink-Jet Printer Cartridge

Performance Evaluation





AMERICAN TESTING LABORATORY, LLC.
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TEST REPORT NO. T3576-002 REV. 2

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ATTN: JAMES CHONG
 INKTEC AMERICA CORP.
 7020 TROY HILL DRIVE, SUITE H
 ELKRIDGE, MARYLAND 21075

AUGUST 18, 2004

FINAL RATING

GOOD _____
 SATISFACTORY _____
 UNSATISFACTORY X

**TESTING OF
 INKJET CARTRIDGE**

Sample Description:	Cartridge: HP 56/57 Compatible (Black/Color) REFILL KIT			
Item #:	HPI-0005D/HPI-0006C			
Manufacturer:	InkTec America Corp.			
TEST PROPERTY	GOOD	SAT	UNSAT	COMMENTS
Page Yield			X	Black yield lower than OEM Color yield much lower than OEM
Dry Time	X			
Color Spectrum	X			
Optical Density	X			
Text Print Quality	X			
Graphics Print Quality	X			

Test Printer: HP PSC 1200xi



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TEST SUMMARY: The samples are rated **UNSAT** because the page yields both black and color are much lower than the OEM cartridges.

Recommendations: ATL recommends that the wording of the instruction sheet, which is supplied with the refill kit, be modified to allow the end user to inject a greater quantity of ink into the cartridge than is now currently specified (10ml for black, 3ml for color). A greater volume of ink injected into the cartridge should allow for a higher page yield; comparable to the OEM cartridge.

Manager of Testing



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Test Property	Test Method	Samplings	Test Principle / Requirements	Test Results	Rating
Page Yield	Paragraph 2.0 of TM-0003	2	Equal to or greater than OEM cartridge page yield.	Start weight (grms): 42.5/44.5 (1st test sample) End weight (grms): 30.0/34.8 (1st test sample) Page yield (pgs): 255/120 (1st test sample) Ink usage (pgs/grm): 20.4/12.4 (1st test sample) Start weight (grms): 42.3/44.7 (2nd test sample) End weight (grms): 30.1/35.2 (2nd test sample) Page yield (pgs): 214/126 (2nd test sample) Ink usage (pgs/grm): 17.5/13.3 (2nd test sample) Start weight (grms): 50.5/54.8 (OEM sample) End weight (grms): 30.9/35.5 (OEM sample) Page yield (pgs): 289/275 (OEM sample) Ink usage (pgs/grm): 14.7/14.2 (OEM sample)	UNSAT
Dry Time	Paragraph 8.0 of TM-0003	1	The dry time of the test cartridge shall within range of OEM.	Color:Less than 5 seconds(test) Color:Less than 5 seconds(OEM) Black:Less than 45.75 seconds(test) Black:Less than 61.0 seconds(OEM)	GOOD
Color Spectrum	Paragraph 12.0 of TM-0003	1	The color space area of the test cartridge shall within range of OEM.	Color area was 4.7008 (test) Color area was 5.175 (OEM) (see Figure 1)	GOOD
Optical Density	Paragraph 20.0 of TM-0003	1	The density difference of the test cartridge shall within range of OEM.	Density CMYK 1.07/0.97/0.78/1.35 (test) Density CMYK 1.10/0.97/0.75/1.38 (OEM)	GOOD
Text Print Quality	N/A	1	Equal to or greater than OEM cartridge text print quality.	No test data (subjective evaluation)	GOOD
Graphics Print Quality	N/A	1	Equal to or greater than OEM cartridge graphics print quality.	No test data (subjective evaluation)	GOOD



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View: Comparison Gamut

07 / 02 / 04

Option: XYZ

Points: A1 - N13

