

**Inkjet Cartridge Report  
Evaluation Report #I0084-03  
May 23, 2003**

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**Cartridges submitted for evaluation by**

**Rhinotek Computer Products  
2301 E. Del Amo Blvd  
Carson, CA 90220**



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National Center for  
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**START DATE:** April 25, 2003

**END DATE:** May 16, 2003

Rhinotek Computer Products  
2301 E. Del Amo Blvd  
Carson, CA 90220

**Product Sample Description:** Hewlett Packard 51629A Remanufactured Cartridge

**Manufacturer:** Rhinotek Computer Products





**Country of Origin:** USA

**Evaluation Printers:** Hewlett Packard Deskjet 680C







**Printer Settings:** Standard

**Paper:** Xerox 4024 (88 Bright)

**Overall Product Performance:** 

-  = Product met or exceeded OEM values
-  = Product showed comparable performance to OEM (within -5%)
-  = Product showed no adverse affects when tested (performance to OEM greater than (-5%) or specification not available.
-  = Product failed to meet OEM performance/specification

**Cartridge Attributes Evaluation**

	Rhinotek Sample #1	Rhinotek Sample #2	Comments
Page Yield			
Fill Weight			No specs provided
E Area			

**EVALUATION SUMMARY:**

The Rhinotek cartridges produced 1129 and 1235 pages, respectively, during this evaluation. The OEM cartridge, run as a control, produced 660 pages. The image quality (E area) of the Rhinotek remanufactured cartridges was considerably larger than to the OEM cartridge.

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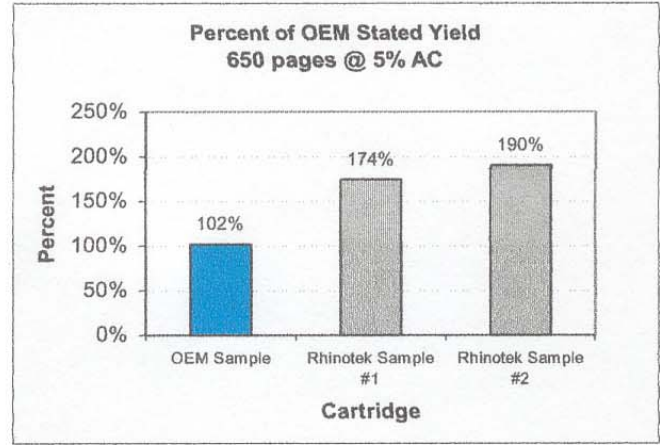
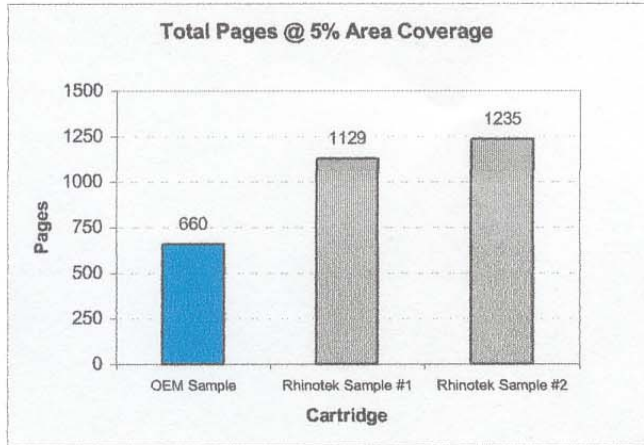
## Page Yield

**Page Yield** – the total number of pages a cartridge printed using a 5% area coverage test target.

**Evaluation Method:** PQ-003, Section 2.2

**Samples:** 2

**Rating:**



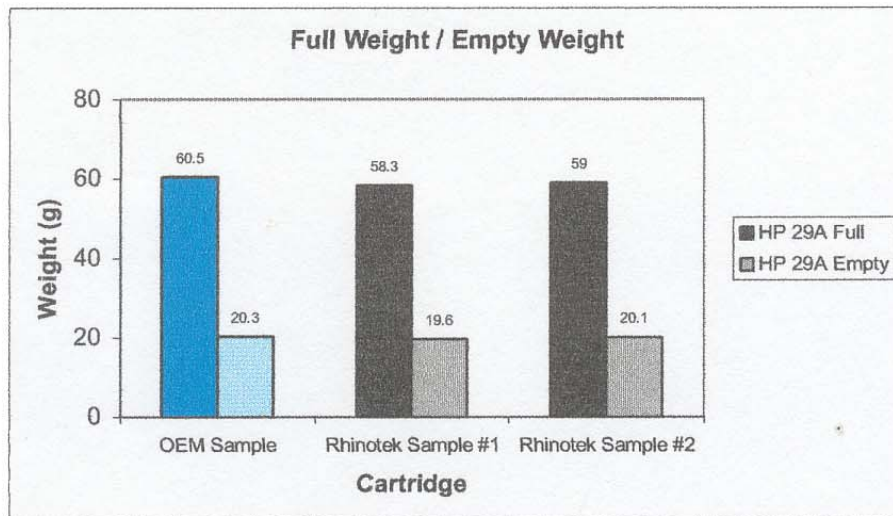
## Fill Weight

**Fill Weight** – the amount of ink contained in a full cartridge prior to installation into the printing device.

**Evaluation Method:** PQ-003, Section 2.2

**Samples:** 2

**Rating:** no spec provided



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## Image Quality

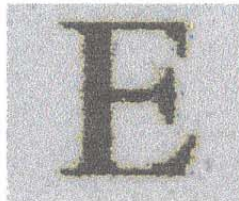
**"E" Area** – this is the total area of one "E" character as measured from the printed test pattern using the ImageXpert system. The larger the character area, the bolder the character appears.

**Blobs** – a group of connected pixels that are all above or below a specified threshold. Blobs are identified by the ImageXpert using connectivity analysis. Ideally, the number of blobs for the "E" character is one. Often times the number of blobs is greater than one due to satellites, or stray dots, formed around the character.

**Evaluation Method:** PQ-003 Section 2.2

**Samples:** 2

**Rating:** ▲



AVERAGE	Black	
	# of Blobs	"E" Area
OEM Sample	3	1.86
Rhinotek Sample #1	10	5.34
Rhinotek Sample #2	12	5.39