



# TEST REPORT

Creation date of report: 5.8.2016

Signature: jelele

## TYPE OF TEST: ISO 19752

When cartridge HP Q7551X is used in printer HP LJ P3005.

### Toner Cartridge yield

**Average Continuous Black Cartridge Yield** 15450 standard pages

**Declared Yield value in accordance with ISO/IEC 19752**

90% Lower Confidence Black Cartridge 15450 standard pages

### Note:

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

Condition 24 hours before the start of the tests.

### Date Tested:

**18.4.2016 - 17.5.2016**

For questions concerning testing contact

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Number of Cartridges used in testing:

**K009**

Number of Cartridges used in calculations

**K009**

Type of Cartridge

**HP Q7551X**

Shake Procedure Used

**No**

Print mode:

**Continuous**

Number of engines used in testing:

**3**

Media Used:

**Navigator Universal 80g/m<sup>2</sup>**

Paper Size:

**A4**

Paper feed orientation:

**Short edge feed**

Application Software:

**Adobe Reader 11.0**

Test Page Version

**ISO-IEC 19752 - 100 Page Example:2004**

Power (off/on) everyday?

**Yes**

Computer stations and printers:

**Station 1.**  
Computer Model: Intel(R) Core(TM) 2 Duo 2.0 GHz  
Operating System: Windows XP Professional

**Station 2.**  
Computer Model: Intel(R) Core(TM) 2 Duo 2.0 GHz  
Operating System: Windows XP Professional

**Station 3.**  
Computer Model: Intel(R) Core(TM) 2 Duo 2.0 GHz  
Operating System: Windows XP Professional

Printer Number: 62149  
Printer Type: HP LJ P3005  
Printer Serial Number: CNK1B89424  
Printer Firmware Version: 20070918 02.039.3  
Driver Version: PCL6 - 61.074.561.43

63414  
HP LJ P3005  
7D27H1k  
20121228 02.160.1  
PCL6 - 61.074.561.43

62463  
HP LJ P3005  
CNK1C86306  
20120314 02.150.1  
PCL6 - 61.074.561.43

### Note:

Page yield rounded to 15450.

It's 2450 pages more than OEM.

## TYPE OF TEST: ISO 19752

### Cartridges testing data:

| Station 1 | Color | Cartidge No.          | Internal summary | Cartridge yield | Cartridge used in calculation |
|-----------|-------|-----------------------|------------------|-----------------|-------------------------------|
| 1st set   | K     | 16111426128616 - K001 | PHI_16_I0073     | 16 991          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 2nd set   | K     | 16121654428616 - K002 | PHI_16_I0074     | 17 855          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 3rd set   | K     | 16121654228616 - K003 | PHI_16_I0075     | 16 999          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 4th set   | K     |                       |                  |                 |                               |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 5th set   | K     |                       |                  |                 |                               |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |

| Color | Total yield | Avg yield | St Dev | 90%LCB | Number cartridges used in calculation |
|-------|-------------|-----------|--------|--------|---------------------------------------|
| K     | 51 845      | 17 282    | 497    | 16 445 | 3                                     |
| C     |             |           |        |        |                                       |
| Y     |             |           |        |        |                                       |
| M     |             |           |        |        |                                       |

| Station 2 | Color | Cartidge No.          | Internal summary | Cartridge yield | Cartridge used in calculation |
|-----------|-------|-----------------------|------------------|-----------------|-------------------------------|
| 1st set   | K     | 16111425828616 - K004 | PHI_16_I0076     | 13 251          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 2nd set   | K     | 16121644428616 - K005 | PHI_16_I0077     | 15 967          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 3rd set   | K     | 16121654928616 - K006 | PHI_16_I0078     | 15 214          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 4th set   | K     |                       |                  |                 |                               |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 5th set   | K     |                       |                  |                 |                               |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |

| Color | Total yield | Avg yield | St Dev | 90%LCB | Number cartridges used in calculation |
|-------|-------------|-----------|--------|--------|---------------------------------------|
| K     | 44 432      | 14 811    | 1402   | 12 447 | 3                                     |
| C     |             |           |        |        |                                       |
| Y     |             |           |        |        |                                       |
| M     |             |           |        |        |                                       |

| Station 3 | Color | Cartidge No.          | Internal summary | Cartridge yield | Cartridge used in calculation |
|-----------|-------|-----------------------|------------------|-----------------|-------------------------------|
| 1st set   | K     | 16111420728616 - K007 | PHI_16_I0079     | 19 600          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 2nd set   | K     | 16121646028616 - K008 | PHI_16_I0080     | 18 308          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 3rd set   | K     | 16121645228616 - K009 | PHI_16_I0081     | 15 432          | Y                             |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 4th set   | K     |                       |                  |                 |                               |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |
| 5th set   | K     |                       |                  |                 |                               |
|           | C     |                       |                  |                 |                               |
|           | Y     |                       |                  |                 |                               |
|           | M     |                       |                  |                 |                               |

| Color | Total yield | Avg yield | St Dev | 90%LCB | Number cartridges used in calculation |
|-------|-------------|-----------|--------|--------|---------------------------------------|
| K     | 53 340      | 17 780    | 2134   | 14 183 | 3                                     |
| C     |             |           |        |        |                                       |
| Y     |             |           |        |        |                                       |
| M     |             |           |        |        |                                       |

| Summary | Color | Cartidges No. | Total   | Avg    | St Dev | 90%LCB | Number cartridges |
|---------|-------|---------------|---------|--------|--------|--------|-------------------|
|         | K     | K001 - K009   | 149 617 | 16 624 | 1894   | 15 450 | 9                 |
|         | C     |               |         |        |        |        |                   |
|         | Y     |               |         |        |        |        |                   |
|         | M     |               |         |        |        |        |                   |

**Note:**  
Statement OEM 13000 pages.

## TYPE OF TEST: ISO 19752

### Temperature / Humidity

Thermometer hygrometer data logger  
Measuring device Nr.

Comet S3120  
12932752 - 12

Date of testing: 17.4.2016 6:00 - 17.5.2016 9:00

| Testing Room average temp. [°C]                | 23,1 | Allowed<br>23 |
|------------------------------------------------|------|---------------|
| Testing Room - max. running average temp. [°C] | 23,9 | 26            |
| Testing Room - min. running average temp. [°C] | 21,5 | 20            |

| Testing Room average RH. [%]               | 53,4 | Allowed<br>50 |
|--------------------------------------------|------|---------------|
| Testing Room - max. running average RH [%] | 58,6 | 65            |
| Testing Room - min. running average RH [%] | 41,3 | 35            |

### Cartridges testing data:

| Station 1 | Color | Cartridge No.         | Internal summary | Temperature |      |      | Humidity |      |      | Cartridge yield | Cartridge used in calculation |
|-----------|-------|-----------------------|------------------|-------------|------|------|----------|------|------|-----------------|-------------------------------|
|           |       |                       |                  | Avg         | Max  | Min  | Avg      | Max  | Min  |                 |                               |
| 1st set   | K     | 16111426128616 - K001 | PHI_16_I0073     | 22,9        | 23,7 | 21,5 | 53,9     | 59,4 | 41,5 | 16 991          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 2nd set   | K     | 16121654428616 - K002 | PHI_16_I0074     | 23,2        | 23,8 | 22,1 | 52,2     | 58,2 | 40,4 | 17 855          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 3rd set   | K     | 16121654228616 - K003 | PHI_16_I0075     | 23,3        | 24,0 | 22,3 | 53,3     | 59,5 | 40,8 | 16 999          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 4th set   | K     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |

| Station 2 | Color | Cartridge No.         | Internal summary | Temperature |      |      | Humidity |      |      | Cartridge yield | Cartridge used in calculation |
|-----------|-------|-----------------------|------------------|-------------|------|------|----------|------|------|-----------------|-------------------------------|
|           |       |                       |                  | Avg         | Max  | Min  | Avg      | Max  | Min  |                 |                               |
| 1st set   | K     | 16111425828616 - K004 | PHI_16_I0076     | 23,0        | 23,4 | 22,5 | 54,9     | 57,1 | 50,8 | 13 251          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 2nd set   | K     | 16121644428616 - K005 | PHI_16_I0077     | 23,1        | 23,7 | 22,3 | 54,0     | 56,9 | 45,6 | 15 967          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 3rd set   | K     | 16121654928616 - K006 | PHI_16_I0078     | 22,5        | 23,5 | 21,5 | 53,3     | 59,4 | 41,7 | 15 214          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 4th set   | K     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |

| Station 3 | Color | Cartridge No.         | Internal summary | Temperature |      |      | Humidity |      |      | Cartridge yield | Cartridge used in calculation |
|-----------|-------|-----------------------|------------------|-------------|------|------|----------|------|------|-----------------|-------------------------------|
|           |       |                       |                  | Avg         | Max  | Min  | Avg      | Max  | Min  |                 |                               |
| 1st set   | K     | 16111420728616 - K007 | PHI_16_I0079     | 23,1        | 23,7 | 22,3 | 54,3     | 57,1 | 45,6 | 19 600          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 2nd set   | K     | 16121646028616 - K008 | PHI_16_I0080     | 22,6        | 23,5 | 21,5 | 53,6     | 59,4 | 42,9 | 18 308          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 3rd set   | K     | 16121645228616 - K009 | PHI_16_I0081     | 22,9        | 23,6 | 21,6 | 52,6     | 56,5 | 41,5 | 15 432          | Y                             |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |
| 4th set   | K     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | C     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | Y     | -                     | -                |             |      |      |          |      |      |                 |                               |
|           | M     | -                     | -                |             |      |      |          |      |      |                 |                               |