

# ISO/IEC 19798 Yield Test Report

## CS431 Toner Cartridge

Printer: CS431dw

### Part Numbers of Cartridges:

**Cyan (C)** 40NCL15C, 20Nx0C0

**Magenta (M)** 40NCL15M, 20Nx0M0

**Yellow (Y)** 40NCL15Y, 20Nx0Y0

**Black (K)** 40NCL15K, 20Nx0K0

### Lexmark Toner Cartridge Yield Claim:

|  |              |                |
|--|--------------|----------------|
| Average Continuous Composite Color (CMY) Cartridge Yield | <b>1,500</b> | standard pages |
| Average Continuous Black (K) Cartridge Yield             | <b>1,500</b> | standard pages |
| Declared yield in accordance with ISO/IEC 19798          |              |                |

### Tested Cartridge Summary:

90% Lower Confidence  
 Composite Color (CMY) = **1,672** pages  
 Black = **1,732** pages

### For questions concerning testing contact:

Lexmark International Inc.  
 740 West New Circle Rd.  
 Lexington, Ky. 40550 USA  
 Attn: Laser Supplies Product Manager

### Date Tested

15-Jan-2020

15-Jan-2020

|  |  |      |      |      |
|--|--|------|------|------|
| Number of cartridges in testing        | C= 9                                   | M= 9 | Y= 9 | K= 9 |
| Qty. of cartridges used in calculation | C= 9                                   | M= 9 | Y= 9 | K= 9 |
| Type of cartridge                      | Replenishment                          |      |      |      |
| Shake Procedure                        | No Shake                               |      |      |      |
| 1st shake                              | No Shake                               |      |      |      |
| 2nd shake                              | Continuous                             |      |      |      |
| Print mode                             | 3                                      |      |      |      |
| Number of printers tested              | Hammermill Tidal MP - 20 lbs. - Letter |      |      |      |
| Media used                             | Short Edge Feed (SEF)                  |      |      |      |
| Paper feed orientation                 | G3                                     |      |      |      |
| Driver version                         | Windows 10                             |      |      |      |
| Operating system                       | Adobe Reader DC                        |      |      |      |
| Application software                   | ISO-IEC_24712_2007.pdf                 |      |      |      |
| Test page version                      | On                                     |      |      |      |
| Power (off/on) everyday                | Y                                      |      |      |      |
| Pre-generated file used                | Y                                      |      |      |      |
| Header / Footer used                   | Intel(R) Core™ i7-4610M CPU @ 3.00GHz  |      |      |      |
| Computer Model                         | 8.0 GB                                 |      |      |      |
| Computer RAM and CPU type              | Network                                |      |      |      |
| PC / Printer connection                | 0                                      |      |      |      |
| RIP Code Level                         | 0                                      |      |      |      |
| Engine Code Level                      |  |      |      |      |

### Comments :

The print file was generated with a 5-page job.

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| Printer       | Color | Cartridge SN  | Temperature C / F |         |         | Humidity |     |     | Cartridge Yield | Cartridge used in Calculation |
|---------------|-------|---------------|-------------------|---------|---------|----------|-----|-----|-----------------|-------------------------------|
|               |       |               | Avg               | Max     | Min     | Avg      | Max | Min |                 |                               |
| 3500944011ZKF | C     | SCAD200030B9C | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1510            | Y                             |
| 3500944011ZKF | C     | SCAD200030BB6 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1580            | Y                             |
| 3500944011ZKF | C     | SCAD200030BA2 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1585            | Y                             |
| 1500944010Z6P | C     | SCAD200030BBD | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1965            | Y                             |
| 1500944010Z6P | C     | SCAD200030BCD | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1745            | Y                             |
| 1500944010Z6P | C     | SCAD200030BAB | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1815            | Y                             |
| 3500944011ZKZ | C     | SCAD200030BC8 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1595            | Y                             |
| 3500944011ZKZ | C     | SCAD200030BBA | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1660            | Y                             |
| 3500944011ZKZ | C     | SCAD200030BC5 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1545            | Y                             |
| 3500944011ZKF | K     | SCAD200022C2A | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1905            | Y                             |
| 3500944011ZKF | K     | SCAD200022C19 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1660            | Y                             |
| 3500944011ZKF | K     | SCAD200022C1D | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1615            | Y                             |
| 1500944010Z6P | K     | SCAD200022D64 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 2135            | Y                             |
| 1500944010Z6P | K     | SCAD200022C29 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1765            | Y                             |
| 1500944010Z6P | K     | SCAD200022C2B | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1945            | Y                             |
| 3500944011ZKZ | K     | SCAD200022C11 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1950            | Y                             |
| 3500944011ZKZ | K     | SCAD200022C14 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1835            | Y                             |
| 3500944011ZKZ | K     | SCAD200022C13 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1705            | Y                             |
| 3500944011ZKF | M     | SCAD200030BBF | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1765            | Y                             |
| 3500944011ZKF | M     | SCAD200030BC1 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1650            | Y                             |
| 3500944011ZKF | M     | SCAD200030ABB | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1610            | Y                             |
| 1500944010Z6P | M     | SCAD200030BB5 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 2055            | Y                             |
| 1500944010Z6P | M     | SCAD200030BB4 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1880            | Y                             |
| 1500944010Z6P | M     | SCAD200030BAE | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1765            | Y                             |
| 3500944011ZKZ | M     | SCAD200030BBC | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1850            | Y                             |
| 3500944011ZKZ | M     | SCAD200030BB7 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1695            | Y                             |
| 3500944011ZKZ | M     | SCAD200030BB1 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1665            | Y                             |
| 3500944011ZKF | Y     | SCAD20003A93E | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1755            | Y                             |
| 3500944011ZKF | Y     | SCAD200030BD1 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1790            | Y                             |
| 3500944011ZKF | Y     | SCAD20003A959 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1710            | Y                             |
| 1500944010Z6P | Y     | SCAD200030BCC | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 2135            | Y                             |
| 1500944010Z6P | Y     | SCAD200030ABF | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1765            | Y                             |
| 1500944010Z6P | Y     | SCAD200030ABD | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1845            | Y                             |
| 3500944011ZKZ | Y     | SCAD20003A956 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 2120            | Y                             |
| 3500944011ZKZ | Y     | SCAD200030BDA | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1835            | Y                             |
| 3500944011ZKZ | Y     | SCAD200030BD2 | 22 / 71           | 22 / 72 | 21 / 70 | 45       | 45  | 45  | 1835            | Y                             |

|                   | Average | Std Dev. Of Sample | 90% Lower Confidence |
|-------------------|---------|--------------------|----------------------|
| Cyan Cartridge    | 1667    | 148                | 1575                 |
| Magenta Cartridge | 1771    | 140                | 1684                 |
| Yellow Cartridge  | 1866    | 155                | 1770                 |
| CMY Composite     |         |                    | 1672                 |
| Black Cartridge   | 1835    | 166                | 1732                 |