



## ISO 19752 & ISO 19798 Standards Declaration Letter for Clover Cartridges

Dear Customer,

This is a confirmation letter that our products were tested for page yield. Our page yield measuring procedure is in its essence similar to ISO 19752 (monochrome toner cartridges) & ISO 19798 (color cartridges) giving comparable results. We perform our test both in our products and in OEM so we can compare results. The noticeable difference between our procedure and the two mentioned ISO standards, is that our tests were designed to evaluate print quality throughout the life of the cartridge as well as page yield while the mentioned ISO standards only scope is page yield determination.

From ISO 19752 abstract below:

The scope of this International Standard is limited to evaluation of toner cartridge yield for toner containing cartridges (i.e. all-in-one toner cartridges and toner cartridges without a photoconductor) for monochrome electrophotographic printers. This International Standard could also be applied to the printer component of any multifunctional device that has a digital input-printing path (i.e. multi-function devices that contain printer components).

From ISO 19798 abstract below:

The scope of this International Standard is limited to evaluation of toner cartridge page yield for toner-containing cartridges (i.e. all-in-one toner cartridges and toner cartridges without a photoconductor) for colour electrophotographic printers. This International Standard can also be applied to the printer component of any multifunctional device that has a digital input printing path, including multi-function devices that contain electrophotographic printer components.

It is clear that both standards are only applicable to toner cartridges. As our product list also includes Drum cartridges (no toner present), the page yields mentioned in these cases stands for similar test method, where the end of life criteria was “noticeable decrease in print quality” or “chip end of life failure”.

There is also some confusion regarding another standard mentioned sometimes, ISO 24712:2007. This standard only defines the content of the test patterns determined for use in ISO 19798. In ISO 19752, the test pages are defined in the procedure. Both test patterns are used in Clover testing, introducing every 1000 pages printed a set of our own pages with the purpose of collecting data regarding print quality to complement the results obtained by following the ISO standards.

Yours Sincerely,

José Araújo  
(Technical Manager)

15-03-2017

### FOR ADDITIONAL INFORMATION

please contact your account manager or visit us at [cloverimaging.eu](http://cloverimaging.eu)  
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