

TkT **brain  
power**<sup>®</sup>



More printing quality  
More perfection



More density  
More darkness



More durable  
More meters



More recycled  
More life



[tktbrainpower.com](http://tktbrainpower.com)



### **TARGET**

This report's aim is to define the key quality parameters for cartridges and compare our Ultra Black HP 45 cartridge with the original HP 45 cartridge and standard recycled cartridges.



### **DARKNESS / PRINTING QUALITY**

This test proceeds under the same conditions for all tested cartridges. Consist in printing lines pattern which allows to visualize how dark the ink is and printing head cartridge conditions (e.g. if nozzles are partially clogged one can see a bigger dispersion of the ink drops, the lines look less intense and fuzzy).

One of TkTbrainpower's strength is Ultra Black special ink darkness.

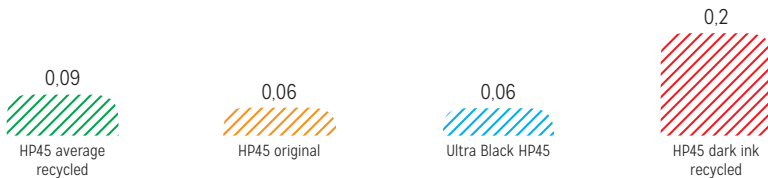


## CARTRIDGE LOST INK EVALUATION

Not all the ink flowing through the printing head goes to the paper: some ink that goes out the nozzles stays on the cartridge head.



TkTbrainpower has almost zero losses, with almost the same values as HP original cartridge.

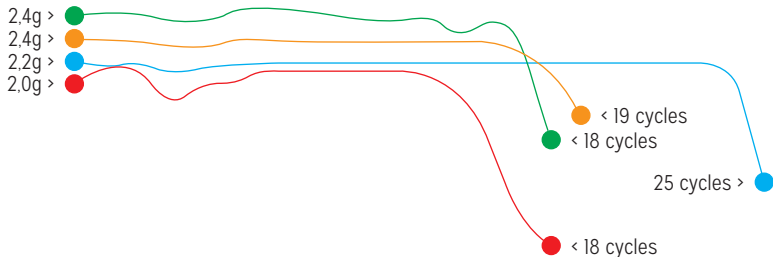




## CARTRIDGE STABILITY AND PRINTING CYCLES

Reliable cartridges must have stable consumption during their life, avoiding patterns to fade until cartridge is almost empty. Ultra Black shows the best durability and stability.

### CARTRIDGE CONSUMPTION (g/N°cycles)





### **CARTRIDGE STARTABILITY**

Among remanufactured cartridges it's almost a fact the need to clean cartridge printing heads after some rest. 90% Ultra Black cartridges can print perfectly from the very beginning after a leisure weekend.





## OPTICAL BLACK DENSITY



HP45 original cartridge All data is statistically proven, individual cartridges may vary.