

ISO/IEC 29102:2023-10 (E)

Information technology - Office equipment - Method for the determination of ink cartridge yield for colour photo printing with inkjet printers and multi- function devices that contain inkjet printer components

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test parameters and conditions	4
4.1 Set up.....	4
4.2 Sample size.....	5
4.3 Print mode.....	5
4.4 Print environment.....	6
4.5 Paper.....	6
4.6 Maintenance.....	7
4.7 Test files.....	7
5 Test methodology	7
5.1 Testing procedure.....	7
5.1.1 Flow chart.....	7
5.1.2 Preparation.....	8
5.1.3 Installation of test cartridges.....	8
5.1.4 Testing.....	8
5.1.5 End of cartridge life procedure.....	8
5.2 Procedure for handling streaks.....	8
5.2.1 General.....	8
5.2.2 Nozzle cleaning.....	9
5.3 Procedure for handling a defective cartridge, print head or printer.....	9
5.3.1 General.....	9
5.3.2 Defective cartridge.....	10
5.3.3 Defective print head.....	10
5.3.4 Defective printer.....	10
6 Determination of the declared yield value and declaration	10
6.1 Yield of primary cartridges.....	10
6.2 Yield of supplemental cartridges.....	11
6.2.1 General.....	11
6.2.2 Case 1: supplemental cartridges that have not reached end of life.....	12
6.2.3 Case 2: supplemental cartridges that have reached end of life once or twice.....	13
6.3 Test data reporting.....	15
6.4 Declaration of the yield.....	15
Annex A (informative) Examples of fade	20
Annex B (informative) Examples of streaks	21
Annex C (normative) Test reporting form	22
Annex D (informative) Process flowchart	26
Annex E (informative) Method for monochrome photo yield determination	28