



**Canon U.S.A., Inc.
Wide Format Inkjet
Vendor Media Certification
Report**

Evaluation Report #: CM0003-16

Date: February 27, 2017

**Breathing Color Optica One
Smooth Fine Art Paper
16 mils / 300gsm**

Media submitted for evaluation by:

Breathing Color

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Printing Applications Laboratory

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ATTN:	Justin Bodin	START DATE:	12/02/2016
Cc:		END DATE:	02/27/2017

Evaluation Setup

Product Sample Description:	Breathing Color Optica One Smooth Fine Art Paper 16 mils / 300 gsm		
Evaluation Protocol:	Canon protocol referencing ASTM, TAPPI and ISO standards where applicable.		
Manufacturer:	Breathing Color		
Country of Origin:	US		
Product SKU / ID	01FAP3Q01319SH25		
Evaluation Printers:	Canon Pro 1000		
Printer Certifications:	Canon Pro 1000		
Printer Settings:	Driver Setting:	Heavyweight Fine Art Paper	
	Control Panel:	Heavy Art Paper	
	Head Height:	Standard	
Environmental Conditions:	PAL evaluation labs are temperature (73F +/- 3) and relative humidity (45% +/- 10%) controlled. Conditions were monitored using the Preservation Environment Monitor (PEM) developed by the Image Permanence Institute. All equipment and materials are conditioned for a minimum of 24 hours prior to testing.		

**Check the paper manufacturer's website site for the availability of ICC profiles.*

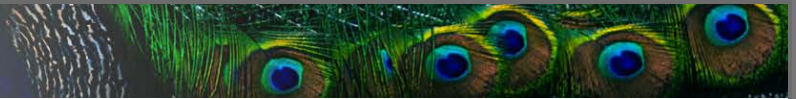
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Summary Charts

Media Evaluation Summary Tables

Physical Properties CM0003-16		
Tests	Measured Data	Comment
Grammage (gsm)	325.4	Data sheet and carton state 300 gsm
Thickness (Mils)	19.0	Data sheet and carton state 16 mil
Opacity (%)	98.46	
Brightness TAPPI (%)	92.18	
Whiteness (CIE)	102.6	
Roughness (Parker)	6.6	
Roughness (Sheffield)	228.0	
Gloss 75 Deg (units)	2.5	
OBA Index	1.94	

Image Durability CM0003-16		
Tests	Measured Data	Comment
Sutherland Rub – Cyan Rub Center	0.001	
Sutherland Rub – Cyan Image Strip	0.004	
Sutherland Rub – Black Rub Center	0.009	
Sutherland Rub – Black Image Strip	0.009	
Taber Abrasion - Cyan	94.2	
Taber Abrasion – Black	93.9	
Image Durability Rating	☆☆☆	

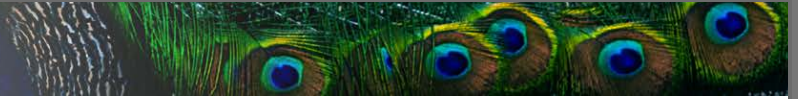


Image Quality CM003-16		
Tests	Measured Data	Comment
Mottle – Cyan	0.7	
Mottle - Magenta	0.4	
Mottle – Yellow	0.4	
Mottle – Black	0.1	
Optical Density - Cyan	0.68	
Optical Density - Magenta	1.10	
Optical Density - Yellow	0.83	
Optical Density - Black	1.27	
Optical Density - Red	1.19	
Optical Density - Green	0.74	
Optical Density - Blue	1.15	
Black on Yellow Bleed - Horizontal	0.009	
Black on Yellow Raggedness - Horizontal	0.007	
Black on Paper Raggedness - Horizontal	0.006	
Black on Yellow Bleed - Vertical	0.001	
Black on Yellow Raggedness - Vertical	0.007	
Black on Paper Raggedness - Vertical	0.008	
CIEDE2000 (Lab) - Cyan	1.9	
CIEDE2000 (Lab) - Magenta	1.4	
CIEDE2000 (Lab) - Yellow	1.4	
CIEDE2000 (Lab) - Black	1.9	
CIEDE2000 (Lab) - Red	1.7	
CIEDE2000 (Lab) - Green	1.1	
CIEDE2000 (Lab) - Blue	2.9	
Horizontal Registration	0.0	
Vertical Registration	0.0	
Runnability	Acceptable	
Overall Image Quality Rating	★ ★	