



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

Evaluation Report #: CM0002-16

Date: February 27, 2017

Breathing Color Vibrance Luster Photo Paper 10 mils / 255gsm

Media submitted for evaluation by:

Breathing Color

201 W Howard Ln • Austin, TX 78753

Printing Applications Laboratory

Rochester Institute of Technology

66 Lomb Memorial Drive • Rochester, NY 14623-5608

585.475.2687, phone • 585.475.2690, fax

www.printlab.rit.edu



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

Evaluation Setup

Product Sample Description:	Breathing Color Vibrance Luster Photo Paper 10 mils / 255gsm		
Evaluation Protocol:	Canon protocol referencing ASTM, TAPPI and ISO standards where applicable.		
Manufacturer:	Breathing Color		
Country of Origin:	US		
Product SKU / ID	VIBRANCE131950		
Evaluation Printers:	Canon Pro 1000		
Printer Certifications:	Canon Pro 1000		
Printer Settings:	Driver Setting:	Photo Paper Pro Luster	
	Control Panel:	Pro Luster	
	Head Height:	Low	
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.*

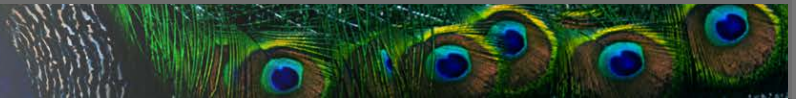
RIT's Center for Integrated Manufacturing Studies, the National Center for Remanufacturing and Resource Recovery (NC3R), the Products Applications Laboratory, (collectively, "CIMS"), as applicable, certifies that the subject consumables were evaluated in our facilities. The results described in this Report are only applicable to the specific samples evaluated and do not certify the manufacturing or other process used to produce them, and CIMS has not verified that the components or procedures used to produce such samples are representative production units or processes.

Technical Reports; Publicity -

- Company may reproduce and circulate the report in its entirety for a period of twelve (12) months from the date of issue.
- Company will not use the RIT name and trademarks, expressly or implied, in connection with any other products, promotion, or advertising without the prior written permission of RIT.
- Company agrees not to state or imply RIT's endorsement of any particular product or solution.

No Warranty; Limitation of Liability –

- RIT makes no warranties, express or implied, as to any matter whatsoever, including, without limitation, the use, or originality, of the written analysis or product(s), whether tangible or intangible, conceived, discovered, or developed under this evaluation; or the ownership, merchantability, or fitness for a particular purpose of the written analysis or any such product(s).
- Neither party will be liable for and each party will indemnify and hold the other harmless from any direct, indirect, special, incidental, consequential, punitive or other damage, loss or expense incurred or suffered by RIT, the Company or any third party directly or indirectly arising or resulting from the use of the written analysis or its results, regardless whether a claim therefore is based in contract, tort (including negligence), warranty, strict liability, or any other theory.



Summary Charts

Media Evaluation Summary Tables

Physical Properties CM0002-16		
Tests	Measured Data	Comment
Grammage (gsm)	251.7	
Thickness (Mils)	10.2	
Opacity (%)	95.5	
Brightness TAPPI (%)	92.1	
Whiteness (CIE)	104.3	
Roughness (Parker)	3.4	
Roughness (Sheffield)	31.6	
Gloss 75 Deg (units)	52.4	
OBA Index	0.90	

Image Durability CM0002-16		
Tests	Measured Data	Comment
Sutherland Rub – Cyan Rub Center	0.005	
Sutherland Rub – Cyan Image Strip	0.001	
Sutherland Rub – Black Rub Center	0.002	
Sutherland Rub – Black Image Strip	0.001	
Taber Abrasion - Cyan	91.3	
Taber Abrasion – Black	95.9	
Image Durability Rating	☆☆☆	

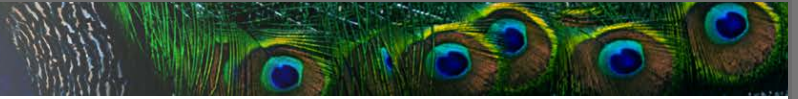


Image Quality CM002-16		
Tests	Measured Data	Comment
Mottle – Cyan	0.8	
Mottle - Magenta	0.4	
Mottle – Yellow	0.4	
Mottle – Black	0.1	
Optical Density - Cyan	0.69	
Optical Density - Magenta	1.41	
Optical Density - Yellow	0.90	
Optical Density - Black	1.81	
Optical Density - Red	1.55	
Optical Density - Green	0.81	
Optical Density - Blue	1.41	
Black on Yellow Bleed - Horizontal	0.003	
Black on Yellow Raggedness - Horizontal	0.003	
Black on Paper Raggedness - Horizontal	0.002	
Black on Yellow Bleed - Vertical	0.004	
Black on Yellow Raggedness - Vertical	0.006	
Black on Paper Raggedness - Vertical	0.006	
CIEDE2000 (Lab) - Cyan	0.4	
CIEDE2000 (Lab) - Magenta	0.5	
CIEDE2000 (Lab) - Yellow	0.5	
CIEDE2000 (Lab) - Black	0.2	
CIEDE2000 (Lab) - Red	0.4	
CIEDE2000 (Lab) - Green	0.6	
CIEDE2000 (Lab) - Blue	0.4	
Horizontal Registration	0	
Vertical Registration	0	
Runnability	Acceptable	
Overall Image Quality Rating		