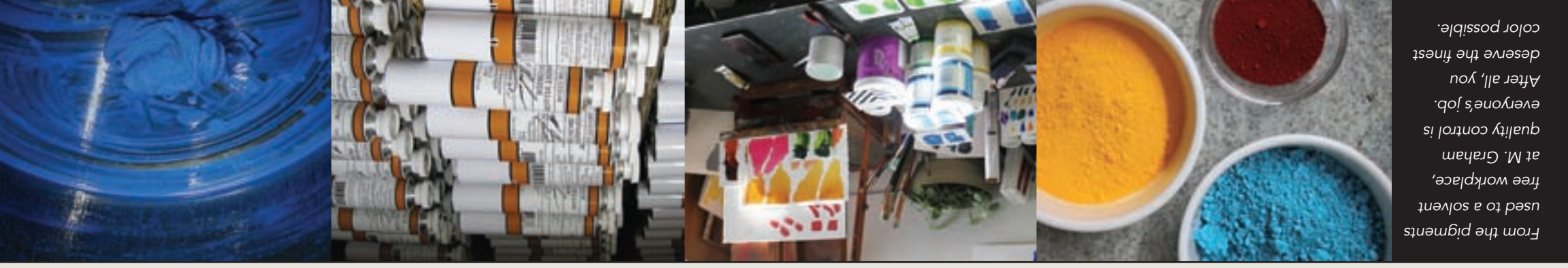


From the pigments used to a solvent free workplace, at M. Graham quality control is everyone's job. After all, you deserve the finest color possible.

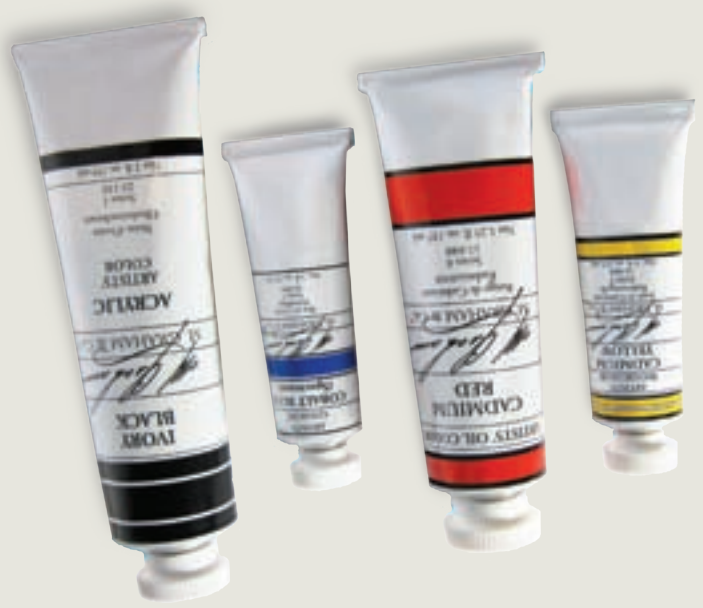
At M. Graham, we believe we have a responsibility to every artist that chooses our color. It lives on their canvas. It's part of their art. So we honor their choice by continually working to create the best color possible. We select the finest pigments. We use only the very best vehicles. We take the time and expend the effort to make color with greater clarity, superior working properties and perceptible vitality.

EXCEPTIONAL COLOR BEGINS WITH A SUPERIOR VEHICLE

Our oil color is ground in Walnut Oil, the medium preferred by artists for more than five centuries. We chose to build our oil color with this medium because its unique refractive index and non-yellowing nature produces color that is naturally more alive and brilliant. Due to this, our colors retain their clarity over time and are free from the discoloring associated with other drying oils. In addition walnut oil allows us to increase the amount of pigment in our colors, resulting in extraordinary richness, color saturation, brilliance and tinting strength. Free flowing and slow drying, walnut oil enables delicate passages of finely blended color, rich, jewel-like glazes or juicy, full brush applications without the addition of solvents

FREE YOUR STUDIO OF DANGEROUS SOLVENTS

Use Walnut Oil to effectively remove color from brushes and solvent free Walnut/Alkyd Medium to thin the color, accelerate drying, enhance adhesion and add flexibility. For more on solvent-free painting, visit mgraham.com/solventfree.



PAINTINGS LOOK BETTER *with* M.GRAHAM COLOR

TECHNICAL INFORMATION

Pigment Listing • Pigment Composition

This listing contains the color index name (PB 29, etc.) with the common chemical name applied to the pigment. The color index name is established and published by the American Association of Textile Chemists and Colorists and The Society of Dyers and Colourists. The color index name is a generic category and does not refer to a specific pigment. It enables the artist to form a general idea of opacity, transparency and lightfastness, for a pigment in a certain color space.

Chemical Name

The chemical name is a brief, commonly used generic designation of the pigment composition. In conjunction with the color index name, the chemical name can be used to broaden the artists understanding of the source and nature of the pigment used.

Permanence

The permanence of a color is a measure of the lightfastness of the pigment when dispersed in a vehicle and subjected to conditions which emulate the exposure normally given a fine art object. Such ratings are generally considered vehicle or media dependent and can vary between media-thus a pigment which is suitably lightfast for oil color, might not be lightfast in watercolor. Our ratings utilize a combination of historical data, accelerated testing and data from pigment manufacturers to establish one of the toughest standards among artists colormakers today.

Transparency and Opacity

Each of our colors has been provided a designation indicating relative degrees of transparency to opacity. Please consider these as a guideline because any thin film application, while not necessarily transparent, can be interpreted by the viewer as such.

Health and Safety

Our colors have been evaluated by a board certified toxicologist in a manner consistent with current legislation and Consumer Product Safety Commission guidelines. Where needed, labels carry specific instructions on safe use and handling as well as information required by the State of California to comply with Proposition 65.

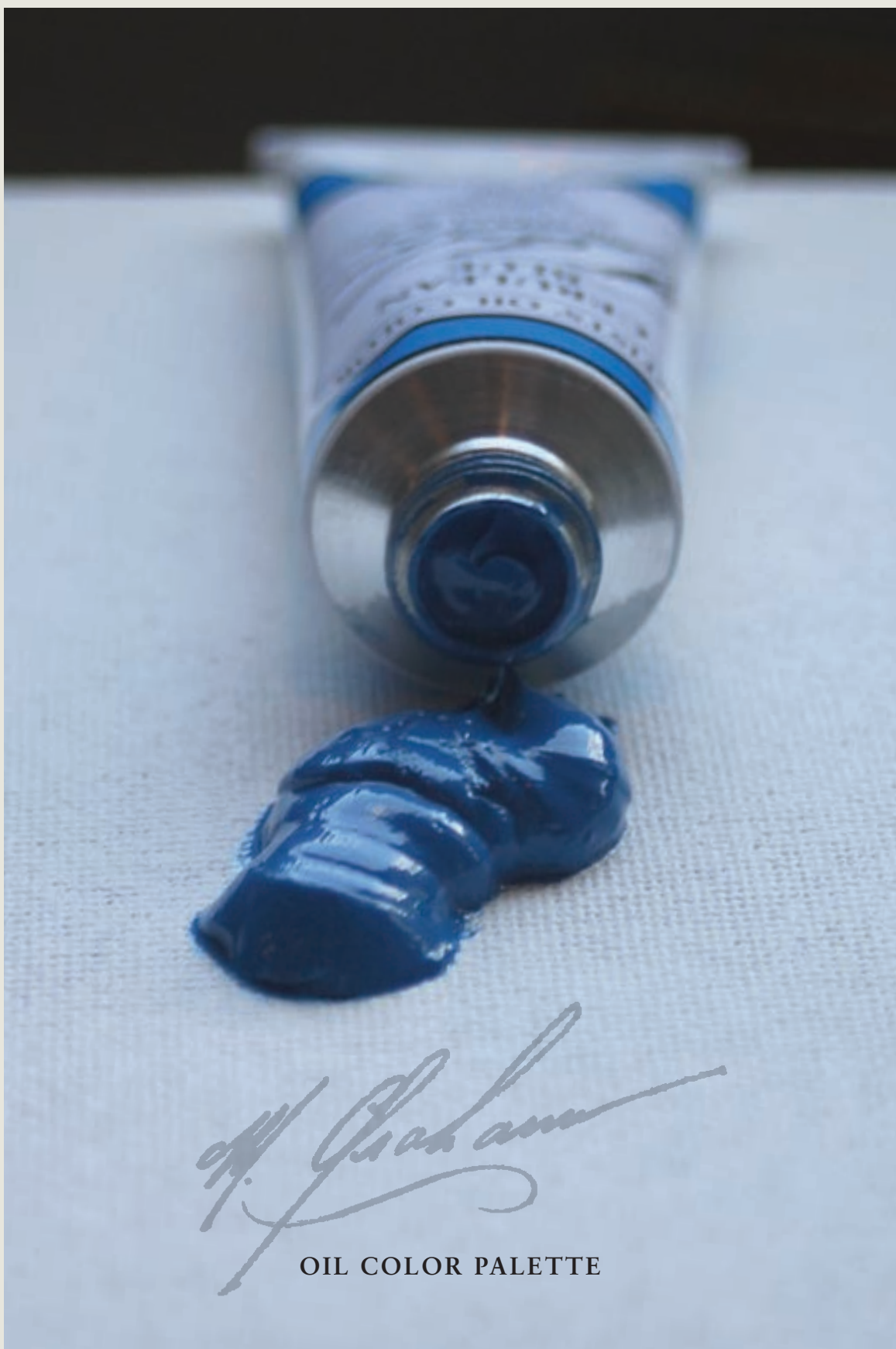
Artists' colors are preparations of a variety of materials and when handled correctly should not represent a serious hazard to health based on our current knowledge. We do recommend that artists use normal safe handling care and practice when working with our color including: not applying color to the skin, taking care not to ingest the product, not smoking/drinking or eating while working and carefully reading all labels for specific warnings. For more information please refer to our Material Safety Data Sheets at www.mgraham.com or write to us at M. Graham, PO Box 215, West Linn, OR 97068-0215

ASTM D4236

ASTM is a standard practice for labeling art materials for chronic health hazards. A statement of conformity to this standard appears on each of our labels to assure the artist that our formulations have been independently reviewed by a certified toxicologist and that required cautions and warnings are in place for the artists guidance.

Children

Our colors are professional products not intended for use by children.



OIL COLOR PALETTE

EVERY ARTIST DESERVES THE FINEST COLOR THAT CAN BE CREATED

Hansa Yellow
107, PY 3, LF II, ST, S

Cadmium Yellow Light
070, PY 35, LF I, O, M

Azo Yellow
018, PY 151 & PY 74, LF I, ST, M

Cadmium Yellow
060, PY 35, LF I, O, M

Cadmium Yellow Deep
063, PY 35, LF I, O, S

Indian Yellow
109, PY 110, LF I, T, M

Cadmium Orange
038, PO 20, LF I, O, S

Cadmium Red Light
050, PR 108, LF I, O, S

Naphthol Red
120, PR 112, LF II, SO, S

Quinacridone Red
155, PR 209, LF I, T, M

Cadmium Red
040, PR 108, LF I, O, S

Cadmium Red Deep
045, PR 108, LF I, O, S

Quinacridone Rose
156 , PV 19, LF I, T, M

Anthraquinone Red
014, PR 177, LF I, T, M

Alizarin Crimson
010, PR 83, LF III, T, S

Quinacridone Violet
158, PV 19, LF I, T, M

Dioxazine Purple
100, PV 23, LF II, T, S

Ultramarine Violet
193, PV 15, LF I, T, S

Anthraquinone Blue
012, PB 60, LF I, T, M

Ultramarine Blue
190, PB 29, LF I, T, M

Cobalt Blue
090, PB 28, LF I, ST, F

Cerulean Blue
080, PB 36, LF I, O, S

Manganese Blue Hue
114, PB 15:3 & PW 4, LF I, ST, M

Phthalocyanine Blue
140, PB 15:3, LF I, T, S

Prussian Blue
153, PB 27, LF I, T, F

Turquoise
189, PB 15:3 & PG 7, LF I, T, S,

Phthalocyanine Green
150, PG 7, LF I, T, S

Viridian
195, PG 18, LF I, T, F

Permanent Green Light
130, PG 7 & PY 151, LF I, SO, S

Sap Green (Permanent)
174, PY 129, PG 7 & PBk 9
LF I, T, M

Olive Green
125, PY 129, PG 7 & PBk 9
LF I, T, M

Azo Green
016, PY 129, LF I, T, F

Naples Yellow
121, PBr 7*, PY 74 & PW 6
LF I, O, M

Yellow Ochre
200, PY 43, LF I, O, M

Raw Sienna
160, PBr 7, LF I, ST, F

Transparent Yellow Oxide
188, PY 42, LF I, T, F

Transparent Orange Oxide
186, PY 42 & PR 101, LF I, T, F

Transparent Red Oxide
187, PR 101, LF I, T, F

Burnt Sienna
020, PBr 7*, LF I, ST, F

Terra Rosa
179, PR 101, LF I, O, S

Burnt Umber
030, PBr 7*, LF I, SO, F

Raw Umber
170, PBr 7, LF I, SO, F

Van Dyke Brown
194, PBr 7* & PBk 9, LF I, ST, M

Ivory Black
110, PBk 9, LF I, O, M

Mars Black
115, PBk 11, LF I, O, M

Lamp Black
112, PBk 6, LF I, SO, M

Paynes Gray
128, PBk 9 & PB 29, LF I, SO, M

Titanium White
180, PW 6 & PW 4, LF I, O, M

Titanium White-Alkyd
185, PW 6 & PW 4, LF I, O, F

Zinc White
205, PW 4, LF I, SO, S

LEGEND

Lightfast Rating

LF I Excellent
LF II Very Good
LF III Acceptable*
(*Good in mass tone, tints may fade)

Opacity Rating

T Transparent
ST Semi Transparent
SO Semi Opaque
O Opaque

Drying Time

S Slow
M Moderate
F Fast
Drying rates indicate a general range and variations will occur with mediums used, temperature and substrate

PIGMENT LISTING • PIGMENT COMPOSITION

PB 15:3	Copper Phthalocyanine	PG 7	Chlorinated Copper Phthalocyanine	PV 19	Quinacridone
PB 27	Ferriammonium Ferrocyanide	PG 18	Hydrous Chromium Sesquioxide	PV 23	Carbazole Dioxazine
PB 28	Oxides of Cobalt and Aluminum	PO 20	Pure Cadmium Seleno-Sulfide	PW 4	Zinc Oxide
PB 29	Silicate of Sodium and Aluminum with Sulfur	PR 83	Dihydroxyanthraquinone	PW 6	Titanium Dioxide
PB 36	Oxides of Cobalt and Chromium	PR 101	Synthetic Iron Oxide	PY 3	Arylide
PB 60	Anthraquinone	PR 108	Pure Cadmium Seleno-Sulfide	PY 35	Pure Cadmium Zinc Sulfide
PBk 6	Nearly Pure Amorphous Carbon	PR 112	Naphthol AS-D	PY 42	Synthetic Iron Oxide
PBk 9	Amorphous Carbon	PR 177	Anthraquinone	PY 43	Natural Hydrated Iron Oxide
PBk 11	Synthetic Iron Oxide	PR 209	Quinacridone	PY 74	Arylide
PBr 7*	Calcined Natural Iron Oxide	PV 15	Silicate of Sodium and Aluminum with Sulfur	PY 110	Isoindolinone
PBr 7	Natural Iron Oxide			PY 129	Azomethine Copper Complex
				PY 151	Benzimidazolone

M. Graham & Co.® • P.O. Box 215 West Linn, OR 97068-0215 • (503) 656-6761 • colormaker@mgraham.com • www.mgraham.com

OIL COLOR PALETTE