

**HOLBEIN ARTISTS' OIL COLORS****Technical Data / Ingredients****RED**

<b>Ref No.</b>	<b>Color</b>	<b>Chemical Name</b>	<b>CI No.</b>
H223	Alizarin Crimson	Alizarin Lake	58000
H201	Crimson Lake	Anthraquinoid Pigment	65300
H202	Carmine	Condensed Azo Pigment	----
H203	Pink Madder	Condensed Azo Pigment	----
H204	Rose Madder	Condensed Azo Pigment	----
H224	Rose Dore	Alizarin Lake, Condensed Azo Pigment	58000
H205	Geranium Lake	Monoazo Pigment	12467
H206	Coral Red	Cadmium Sulfo-Selenide, Titanium dioxide	77202, 77891
H207	Cadmium Red	Cadmium Sulfo- Selenide	77202
H208	Cadmium Red Light	Cadmium Sulfo- Selenide	77202
H209	Cadmium Red Deep	Cadmium Sulfo- Selenide	77202
H211	Cadmium Red Purple	Cadmium Sulfo- Selenide	77202
H225	Cadmium Maroon	Cadmium Sulfo- Selenide	77196
H212	Scarlet Lake	Monoazo Pigment, Orange69	12467
H213	Chinese Red	Monoazo Pigment	12467
H214	Peony Red	Monoazo Pigment	12516
H215	Vermilion	Mercury Sulfide	77766
H216	French Vermilion	Mercury Sulfide	77766
H217	Chinese Vermilion	Mercury Sulfide	77766
H218	Vermilion Hue	Monoazo Pigment, Orange69	12467
H219	Perylene Red	Perylene Pigment	71137
H220	Alps Red	Quinacridone Pigment	46500
H221	Brilliant Pink	Monoazo Pigment, Titanium Dioxide	12467, 77891
H226	Shell Pink	Monoazo Pigment, Pyrazolone Pigment, Titanium dioxide	12467, 21110, 77891
H222	Bright Red	Monoazo Pigment, Monoazo Lake	12467, 15865

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**ORANGE**

Ref No.	Color	Chemical Name	CI No.
H257	Cadmium Orange	Cadmium Sulfo- Selenide	
H210	Cad. Orange Red Shade	Cadmium Sulfo- Selenide	77202
H254	Cad. Orange Yellow Shade	Cadmium Sulfo- Selenide	77196, 77202
H246	Permanent Orange	Pyrazolone Pigment, Nickel-Antimony Titanate, Disazo Pigment	21115, 77788, 21095

**YELLOW**

Ref No.	Color	Chemical Name	CI No.
H230	Naples Yellow	Cadmium Sulfide, Hydrous Iron Oxide, Titanium Dioxide	77199, 77492, 77891
H231	Naples Yellow French	Hydrous Iron Oxide, Disazo Pigment, Titanium Dioxide	77492, 21127, 77891
H232	Naples Yellow Italian	Cadmium Sulfide, Ferric-Magnesium Oxide, Titanium Dioxide	77199, 77495, 77891
H261	Ivory White	Nickel- Antimony Titanate, Hydrous Iron Oxide, Titanium dioxide	77788, 77492, 77891
H233	Jaune Brillant No. 1	Cadmium Sulfo-Selenide, Titanium dioxide	77196, 77202, 77891
H234	Jaune Brillant No. 2	Cadmium Sulfo-Selenide, Titanium dioxide	77196, 77202, 77891
H235	Jaune Brillant No. 3	Cadmium Sulfo-Selenide, Titanium dioxide	77196, 77202, 77891
H236	Jaune Brillant No. 4	Cadmium Sulfide, Hydrous Iron Oxide, Titanium Dioxide	77196, 77202, 77492, 77891
H237	Lemon Yellow	Disazo Pigment, Titanium Dioxide	21127, 77891
H238	Lemon Yellow Pale	Cadmium Sulfide, Titanium Dioxide	77199, 77891
H260	Yellow Ochre Pale Natural	Native Ochre	77492
H242	Yellow Ochre Natural	Native Ochre	77492
H240	Yellow Ochre	Native Ochre, Hydrous Iron Oxide	77492, 77492
H241	Gold Ochre	Native Earth (Hydrous Iron Oxide)	77492
H258	Permanent Yellow	Disazo Pigment, Nickel- Antimony Titanate	21095, 77788
H259	Permanent Yellow Pale	Disazo Pigment, Nickel- Antimony Titanate	21127, 21095, 77788
H243	Permanent Yellow Lemon	Nickel- Antimony Titanate, Disazo Pigment, Monoazo Pigment	77788, 21127, 11737
H244	Permanent Yellow Light	Nickel- Antimony Titanate, Disazo Pigment, Monoazo Pigment	77788, 21095, 11767

**HOLBEIN ARTISTS' OIL COLORS**

Technical Data / Ingredients

**YELLOW (continued)**

Ref No.	Color	Chemical Name	CI No.
H245	Permanent Yellow Deep	Nickel- Antimony Titanate, Disazo Pigment, Isoindolin Pigment	77788, 21095, -----
H247	Greenish Yellow	Pigment Dye Copper Complex	-----
H248	Aureolin	Potassium Cobaltinitrite	77357
H249	Cadmium Yellow Lemon	Cadium Sulfide	77199
H250	Cadmium Yellow Pale	Cadium Sulfide	77199
H251	Cadmium Yellow Light	Cadium Sulfide	77199
H252	Cadmium Yellow	Cadium Sulfide, Cadmium Sulfo-Selenide	77199, 77196, 77202
H253	Cadmium Yellow Deep	Cadmium Sulfo-Selenide	77196, 77202
H255	Indian Yellow	Isoindoline Pigment, Disazo Pigment	-----
H256	Nickel Yellow	Nickel-Barium Titanate	77900

**GREEN**

Ref No.	Color	Chemical Name	CI No.
H270	Viridian	Hydrous Chromium Sesquioxide	77289
H271	Viridian Hue	Polychloro Copper Phthalocyanine	74260
H294	Oriental Green	Polychloro Copper Phthalocyanine	74260
H295	Cobalt Green	Zinc Cobalt Oxide	77335
H272	Cobalt Green Pale	Zinc Cobalt Oxide	77335
H273	Cobalt Green Deep	Zinc Cobalt Oxide	77335
H274	Emerald Green Nova	Polychloro-Bromo Copper Phthalocyanine, Titanium Dioxide	74265, 77891
H275	Terre Verte	Native Green Earth	77009
H297	Terre Verte Verona	Native Green Earth, Hydrous Chromium Sesquioxide, Native Earth(Iron-Manganese Oxide-	77009, 77289, 77491,77492,77499
H276	Sap Green	Polychloro Copper Phthalocyanine Disazo Pigment	74260
H277	Permanent Green Light	Polychloro Copper Phthalocyanine, Nickel-Antimony Titanate, Disazo Pigment	74260, 77788, 21095
H278	Permanent Green Pale	Polychloro Copper Phthalocyanine, Nickel-Antimony Titanate, Disazo Pigment	74260, 77788, 21095

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Technical Data / Ingredients

**GREEN (continued)**

Ref No.	Color	Chemical Name	CI No.
H279	Permanent Green	Disazo Pigment, Copper Phthalocyanine, Nickel-Antimony Titanate	21095, 74160, 77788
H281	Cadmium Green Pale	Hydrous Chromium Sesquioxide, Cadmium Sulfide	77289, 77199
H280	Permanent Green Deep	Disazo Pigment, Copper Phthalocyanine	21095, 74160
H296	Cadmium Green Light	Hydrous Chromium Sesquioxide, Cadmium Sulfide	77289, 77199
H282	Cadmium Green	Hydrous Chromium Sesquioxide, Cadmium Sulfide	77289, 77199
H283	Cadmium Green Deep	Hydrous Chromium Sesquioxide, Cadmium Sulfide	77289, 77199
H284	Compose Green	Hydrous Chromium Sesquioxide, Cadmium Sulfide, Titanium Dioxide	77289, 77199, 77891
H288	Oxide of Chromium	Anhydrous Chromium Sesquioxide	77288
H290	Olive Green	Polychloro-Bromo Copper Phthalocyanine, Anthraquinoid Pigment, Disazo Pigment	74265, 65300
H291	Cinnabar Green Light	Nickel- Antimony Titanate, Disazo Pigment, Native Earth (Hydrous Iron Oxide), Polychloro	77788, 77492, 74260
H292	Cinnabar Green	Nickel- Antimony Titanate, Disazo Pigment, Polychloro-Bromo Copper Phthalocyanine, Native	77788, 74265, 77492
H293	Baryte Green	Polychloro-Bromo Copper Phthalocyanine, Titanium Dioxide	74265, 77891
H298	Prussian Green	Pottasium Ferric Ferrocyanide, Nickel- Antimony Titanate, Disazo Pigment	77510, 21095, 77788

**BLUE**

Ref No.	Color	Chemical Name	CI No.
H301	Cobalt Blue	Cobalt Aluminate	77346
H302	Cobalt Blue Pale	Cobalt Aluminate	77346
H303	Cobalt Blue Deep	Cobalt Aluminate	77346
H304	Cobalt Blue Hue	Complex of Silica, Alumina Soda & Sulphur, Copper Phthalocyanine, Titanium Dioxide	77007, 74160, 77891
H305	Cerulean Blue	Cobalt Stannate	77368
H321	Cerulean B. Reddish	Cobalt Stannate	77368
H306	Cerulean Blue Hue	Copper Phthalocyanine, Titanium Dioxide	74160, 77891
H307	Ultramarine Light	Complex of Silica, Alumina Soda & Sulphur	77007
H322	Ultramarine Blue	Complex of Silica, Alumina Soda & Sulphur	77007
H308	Ultramarine Deep	Complex of Silica, Alumina Soda & Sulphur	77007

## BLUE (continued)

Ref No.	Color	Chemical Name	CI No.
H309	Manganese Blue	Barium Mangan-Sulfate	77112
H310	Verditer Blue	Cobalt Aluminate, Titanium Dioxide	77346, 77891
H311	Compose Blue	Copper Phthalocyanine, Titanium Dioxide	74160, 77891
H312	Prussian Blue	Pottasium Ferric Ferrocyanide	77510
H313	Hydranger Blue	Copper Phthalocyanine	74160
H319	Oriental Blue	Copper Phthalocyanine	74160
H314	Indigo	Complex of Silica, Alumina Soda & Sulphur, Pottasium Ferric Ferrocyanide	77007, 77510
H315	Turquoise Blue	Titanium Dioxide, Cobalt Stannate	77891, 77368
H316	Cobalt Turquoise	Cobalt-Chromium Aluminate	77343
H317	Horizon Blue	Copper Phthalocyanine, Titanium Dioxide	74160, 77891
H318	Misty Blue	Complex of Silica, Alumina Soda & Sulphur, Titanium Dioxide	77007, 77891
H320	Navy Blue	Complex of Silica, Alumina Soda & Sulphur, Polychloro Copper Phthalocyanine, Titanium	77007, 74260, 77891

## VIOLET

Ref No.	Color	Chemical Name	CI No.
H329	Cobalt Violet	Cobalt Lithium Phosphate	77363
H330	Cobalt Violet Light	Cobalt Arsenate	
H331	Cobalt Violet Deep	Cobalt Phosphate	77360
H332	Cobalt Violet Light Hue	Alizarin Lake, Cobalt Aluminate, Titanium Dioxide	58055, 77346, 77891
H333	Mineral Violet	Manganese Phosphate	77742
H334	Mars Violet	Iron Oxide	77491
H335	Mauve	Complex of Silica, Alumina Soda & Sulphur, Alizarin Lake	77007, 58055
H336	Rose Violet	Quinacridone Pigment, Titanium Dioxide	73915, 77891
H337	Rose Violet Transparent	Quinacridone Pigment	73915
H338	Perm. Violet	Dioxazine Pigment	51319
H339	Light Magenta	Quinacridone Pigment, Titanium Dioxide	46500, 77891

## BROWN & BLACK

Ref No.	Color	Chemical Name	CI No.
H340	Light Red	Iron Oxide	77491
H341	Light Red Bright	Iron Oxide, Orange 69	77491
H342	Raw Umber	Native Earth(Iron-Manganese Oxide-Hydroxide)	77491, 77492, 77499, 77727, 77730
H343	Raw Sienna	Native Earth (Hydrous Iron Oxide)	77492
H344	Burnt Umber	Native Earth(Iron-Manganese Oxide)	77491, 77499, 77727
H345	Burnt Sienna	Native Earth(Iron-Oxide), Native Earth(Iron-Manganese Oxide)	77491, 77499, 77491, 77499, 77727
H346	Indian Red	Iron Oxide	77491
H347	Terra Rosa	Iron Oxide	77491
H349	Mars Yellow	Ferric-Magnesium Oxide	77495
H350	Mars Orange	Ferric-Magnesium Oxide, Native Earth(Iron-Oxide-Hydroxide)	77495, 77491, 77492, 77499
H351	Sepia	Native Bituminous Earth, Carbon, Calcium Phosphate	77727, 77730, 77267
H352	Vandyke Brown	Native Bituminous Earth	77727, 77730
H353	Peach Black	Condensed Anilin Pigment, Carbon	50440, 77266
H354	Ivory Black	Carbon, Calcium Phosphate, Carbon	77267, 77266
H355	Brown Pink	Isiondolinone Pigment, Anthraquinoid Pigment	65300
H356	Lamp Black	Carbon	77266
H357	Blue Black	Complex of Silica,Alumina,Soda & Sulphur, Carbon,Calcium Phosphate, Carbon	77007

## GREY

Ref No.	Color	Chemical Name	CI No.
H368	Charcoal Grey	Carbon	77268
H370	Blue Grey	Complex of Silica, Alumina, Soda & Sulphur, Titanium Dioxide	77007, 77891
H371	Yellow Grey	Hydrous Iron Oxide, Iron Oxide, Titanium Dioxide	77492, 77491, 77891
H372	Green Grey	Anhydrous Chromium Sesquioxide, Titanium Dioxide	77288, 77891
H373	Grey of Grey	Titanium Dioxide, Condensed Anilin Pigment, Cobalt Lithium Phosphate	77891, 50440, 77363
H374	Violet Grey	Complex of Silica,Alumina,Soda&Sulphur, Titanium Dioxide	77007, 77891

## GREY (continued)

Ref No.	Color	Chemical Name	CI No.
H375	Davy's Grey	Native Green Earth, Native Earth(Iron-Manganese Oxide-Hydroxide), Carbon	77009, 77727, 77491, 77492, 77499, 77266, 77730
H376	Rose Grey	Iron Oxide, Titanium Dioxide	77491, 77891
H378	Monochrome Tint Warm	Ferric-Magnesium Oxide, Titanium Dioxide	77495, 77891
H379	Monochrome Tint Cool	Carbon, Calcium Phosphate, Titanium Dioxide	77267, 77891
H380	Paynes Grey	Complex of Silica, Alumina, Soda & Sulphur, Carbon	77007, 77266
H369	Neutral Grey	Carbon, Calcium Phosphate, Hydrous Iron Oxide, Titanium Dioxide	77267, 77492, 77891

## GOLD & SILVER

Ref No.	Color	Chemical Name	CI No.
H390	Gold	Titanated Mica, Aluminum Powder	77019, 77000
H391	Silver	Aluminium	77000

## TRANSPARENT

Ref No.	Color	Chemical Name	CI No.
H801	Transparent Rose	Quinacridone Pigment	73915
H802	Transparent Red	Anthraquinoid Pigment	65300
H803	Transparent Vermilion	Condensed Azo Pigment	----
H807	Transparent Lemon	Disazo Pigment	21105
H806	Transparent Yellow	Disazo Pigment	21105
H810	Transparent Green	Polychloro Copper Phthalocyanine	74260
H813	Transparent Blue	Copper Phthalocyanine	74160
H816	Transparent Garnet	Quinacridone Pigment	46500
H819	Transparent Violet	Disazo Pigment	51319
H822	Transparent Brown	Pigment Brown 23	----
H825	Transparent Black	Carbon	77266

## FOUNDATION OIL

Ref No.	Color	Chemical Name	CI No.
H531	Foundation White	Basic Lead Carbonate, Titanium Dioxide	77597, 77891
H533	Foundation Greenish	Basic Lead Carbonate, Titanium Dioxide, Anhydrous Chromium Sesquioxide	77597, 77891, 77288
H535	Foundation Umber	Basic Lead Carbonate, Titanium Dioxide, Native Earth(Iron-Manganese Oxide-Hydroxide)	77597, 77891, 77727, 77491, 77492, 77499, 77730
H537	Foundation Grey	Basic Lead Carbonate, Titanium Dioxide, Carbon, Calcium Phosphate	77597, 77891, 77267

## WHITES -- ALL SIZES

Ref No.	Color	Chemical Name	CI No.
	Neo-Zinc White	Zinc Oxide	77947
	Silver White	Basic Lead Carbonate	77597
	Titanium White	Titanium Dioxide	77891
	Permanent White SF	Titanium Dioxide	77891
	Permanent White EX	Titanium Dioxide	77891
	Ceramic White	Strontium Titanate	-----
	Quick Drying White	Titanium Dioxide	77891

**N = Sulfide origin color, avoid admixture with leaden chemical origin color.**