

LOW VISCOSITY IRON OXIDE YELLOW

Colors Represent Mass Tone and Tint Tone (Reduction with TiO₂ 1:4)



LOW VISCOSITY IRON OXIDE YELLOW---PREMIUM

	YA21LV	YA22LV	YA23LV
MASS TONE			
TINT TONE			

LOW VISCOSITY IRON OXIDE YELLOW---MARKET STANDARD

	YA21ELV	YA22ELV
MASS TONE		
TINT TONE		

CATHAY INDUSTRIES, CATHAYCOAT™ LV Grades providing unique advantages, and sets the standard for the highest quality Yellow Iron Oxides.

Cathay's ability to lead the industry in the manufacturing of technologically superior iron oxide pigments, and with our unique range of Low Viscosity (LV) Yellow grades we continue to set new market standards.

- **Extra Low Viscosity (LV)** – our unique technology enables the manufacture of our LV Yellow Iron Oxides with extremely low oil absorption.
- **LV Grades** – Provide excellent fluidity with high pigment loading. Higher pigment loading especially in WB processes is providing additional advantages to the market
- **Easy to Disperse** – allows the use of High Speed Dispersers saving time and energy
- **Intense Color Strength** – our LV grades ensure an optimal and sustainable dosing and color development resulting in continued improvement in color strength and stability.

Cathay Industries LV Yellows are manufactured using a unique technologically advanced process, ensuring consistent and sustainable results for both indoor and outdoor applications.

Typical Physical Properties (Low Viscosity Iron Oxide Yellow)

Product Code	Pigment Index	Chemical Composition	Purity, % (as Fe ₂ O ₃)	Oil Absorption (g/100g)	Density (g/cm ³)	Sieve Residue on 325 mesh (%)	Water Soluble Salts (%)	pH	Moisture (%)	Hegman	Particle Shape	DE	Tinting Strength (%)
Test Method			BS1014	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	ASTMD1210	Electron Micrograph	ISO7724-2	ISO 8781-1

LOW VISCOSITY IRON OXIDE YELLOW

YA21LV	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA22LV	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA23LV	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA21ELV	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
YA22ELV	PY 42	Fe ₂ O ₃ •H ₂ O	86+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105

The color chips represented here are as accurate as the printing process will allow, it may be slightly different from actual shades. This is for your reference ONLY. Please pay attention to the samples we send to you.