



TECHNICAL DATA SHEET

IDENTIFICATION DATA

Chemical Name:	Iron Oxide Yellow(81001)
Chemical Category:	Iron Oxide
Color Index No.:	Pigment Yellow 42: 77492
C.A.S. No.:	20344-49-4

CHEMICAL SPECIFICATIONS

Fe ₂ O ₃ Content:	97.0% Minimum
Particle Shape:	Acicular Crystals
Lead (as Pb):	10 PPM Maximum
Arsenic (as As):	3 PPM Maximum
Mercury(as Hg):	3 PPM Maximum
Organic Color:	Negative
Water Soluble Matter:	1.0% Maximum
Acid Insoluble Matter:	0.3% Maximum

PHYSICAL PROPERTIES

Physical Form:	Dry Powder
Color:	To Match Standard
Appearance:	Yellow Powder
Primary Particle Size:	0.1x0.8 Micron
Density:	4.0 Gram per Milliliter
Bulk Density:	0.3-0.5 Gram per Milliliter

RESISTANCE PROPERTIES

Heat:	Good
Light:	Excellent
Acid (Dilute):	Good
Alkali (Dilute):	Excellent
Solvent:	Excellent

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USE RECOMMENDATION

Kolortek Yellow Iron Oxide (81001) is highly recommended for use in face make-up and eye make-up such as foundation cream, foundation make-up, eye shadow and lipstick. It conforms to FDA specifications.

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