

## PIGMENTS COSMETIC GRADE Product Bulletin

### **KR337720 - YELLOW IRON OXIDE**

INCI Name: C.I. No 77492 (Iron Oxide Yellow)

#### **Identification data**

Chemical name	Iron Oxide
Chemical category	Synthetic Iron Oxide
Color Index No	Pigment Yellow 42 77492
C.A.S. No	20344-49-4

#### **Chemical specifications**

Fe <sub>2</sub> O <sub>3</sub> Content	97.0% Minimum
Particle Shape	Acicular Crystals
Lead (as Pb)	10 PPM Maximum
Arsenic (as As)	3 PPM Maximum
Mercury(as Hg)	1 PPM Maximum
Organic Color	Negative
Water Soluble Matter	1.0% Maximum
Acid Insoluble Matter	0.1% Maximum

### Physical properties

Physical form	Dry Powder
Color	To Match Standard
Appearance	Yellow Powder
Primary particle size	0.1x0.8 Micron
Density	4.0 g/ml
Bulk density	0.3-0.5 g/ml

### Resistance properties

Heat	Good
Light	Excellent
Acid (diluite)	Good
Alkali (diluite)	Excellent
Solvent	Excellent

### Use recommendation

KR337720 - Yellow Iron Oxide is a cosmetic grade pigment highly recommended as colorant for use in face make-up and eye make-up such as foundation cream, foundation powder, eye shadow and lipstick. The product is characterized by excellent dispersibility and color consistency from batch to batch.