

PIGMENTS COSMETIC GRADE Product Bulletin

KR47051 - TITANIUM DIOXIDE

INCI Name: C.I. No 77891 (Titanium Dioxide)

Identification data

Chemical name	Titanium Dioxide
Chemical category	Synthetic Titanium Dioxide
Color Index No	Pigment white 6 : 77891
C.A.S. No	13463-67-7

Chemical specifications

TiO ₂ Content	99-100.5% Minimum
Particle Shape	Spherical crystals
Lead (as Pb)	10 PPM Maximum
Arsenic (as As)	1 PPM Maximum
Mercury (as Hg)	1 PPM Maximum
Organic Color	Negative
Mercury (as Hg)	1 PPM Maximum
Antimony (as Sb)	2 PPM Maximum
Acid soluble Matter	0.5% Maximum
Water Soluble Matter	0.25% Maximum
Loss on ignition (800°C, 2h)	0.5% Maximum
Loss on drying (105°C)	0.5% Maximum

Physical properties

Physical form	Dry Powder
---------------	------------



NATURAL DERIVATIVES AND COLORS

Color	To Match Standard
Appearance	White Powder
Primary particle size	0.1x0.4 Micron
Density	3.7-3.85 g/ml
Bulk density	0.6-0.7 g/ml

Resistance properties

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

Use recommendation

KR47051 - Titanium Dioxide is a cosmetic grade pigment highly recommended as colorant for use in decorative cosmetics. The product is characterized by excellent dispensability and color consistency from batch to batch.