



PRODUCT SPECIFICATION

A310 Titanium Dioxide

FDA Ref: Titanium dioxide	EU Ref: E171	Common Name: Titanium dioxide
EU Cosmetic Ref: Annex IV Part 1		C.I. Ref: Pigment White 6
Japan: Titanium dioxide		No. 77891
EINECS: 236-675-5		CAS No. 13463-67-7

Chemical Formula

(see note 1)

TiO_2

Specification

This pigment conforms to the EU legislation as detailed in Commission Directive 2008/128/EC of 22 December 2008 and subsequent amendments.

Assay (Note 2)	99.0 % min.
Loss on drying (105°C, 3 hours)	0.5 % max.
Loss on ignition (800°C)	1.0 % max.
Alumina/silica	2.0 % max.
Acid solubles (note 2)	0.5 % max.
Water soluble matter	0.5 % max.
Cadmium	1 ppm max.
Antimony (total)	50 ppm max.
Arsenic (total)	3 ppm max.
Lead (total)	10 ppm max.
Mercury (total)	1 ppm max.
Zinc (total)	50 ppm max.
Description, identification, solubility	Complies

Notes

1. Essentially pure anatase and/or rutile TiO_2 (may be coated with small amounts of alumina or silica).
2. Calculated on an alumina/silica free basis.
3. In addition to the above E171 specification, the pigment also complies fully with British Pharmacopoeia 1993, E. Pharm (5th Edition), US Pharm (USP XXVIII), FDA CFR 21 73.575., Japanese Pharm XIII.