



0970R-Technical Data Sheet

1. Description

The hydrophilic 0970R TiO₂ product, is an excellent dispersant of cosmetics. The product has been developed for 5 years and is now produced using cutting edge technics and devices. It is developed to provide a cosmetic grade TiO₂ products with less heavy metal contents. 0970R is characterized by its good whiteness, high covering ability and good dispersibility with the only shortage of not applicable to cosmetics containing sodium salt. The product is widely used in soaps, moisturizers, foundations, cream, lotion, color cosmetics, children and adults sun care products and it is also applicable to foods application.

2. Typical Properties

0970R			
Particle size(micron)	0.26-0.43	Crystal Structure	Rutile
Median Partical Size(micron)	0.34	<= 45um Sieve Residue	<= 0.1%
Max. Particle Size(micron)	0.42	pH Value	6.5-8.6
Al ₂ O ₃ &SiO ₂ (max %)	2	conductivity	230
Dry Brightness(min)	>= 96.0	content of rutile (%)	>=90
Specific Gravity	4.1	dispersability	>=100
TiO ₂ - Titanium Dioxide (%)	99%before treatment,89% after treatment	iron content	<=0.01%
Pb - Lead(max ppm)	5	Whiteness	>= 96.0
Cadmium(max ppm)	1	color index L	>= 98%
As- Arsenic(max ppm)	1	color index b	<= 1.0%
Hg- Mercury(max ppm)	1	S-T 1-2um filter test	>=600ml
SB-Antimony(max ppm)	2	carbon content	<= 0.2%
Water Solubles(max %)	0.25	potassium content	<= 0.2%
Acid Solubles(max %)	0.5	phosphorus content	0.1%-0.2%
Loss on drying(%)	0.5	silicon content	<= 0.1%
Loss on Ignition(max %)	0.5	specific surface area(m ² /g)	50-81
Moisture(max%)	0.5	Heavy metal(calculated by Pb, ppm)	15
Volatile matter under 105°C(%)	<= 0.6		

CAS No.:13463-67-7

The information herein is believed to be reliable. However, no warranty, expressed or implied, is made as to its accuracy or completeness and none is made as to the merchantability of the material or its fitness for any purpose. The manufacturer shall not be liable for consequential damages or for damages to persons or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.

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SHANGHAI JIANGHU TITANIUM WHITE PRO CO., LTD

EINECS No.:236-675-5

Crystal Structure: Rutile

3. Packing

Packed in 25KG-40KG kraft paper bags, subject to the customer's needs.

4. Storage

Store in cool and ventilating place, keep free from sunlight.

Regulatory Certification Information

- a. FDA approved for: Eyes, face, lips, nails and body.
- b. Have the SGS certificate
- c. Have the REACH certificate

For more information, to obtain a product sample, or customizing a product to meet your needs, contact our sales office in Canada.

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