

KRONOS 2171

Titanium Dioxide

Pigment for oil based decorative cosmetics and personal care products

Description

KRONOS 2171 is a purified rutile blended with a unique plant-based organic component used as a colorant for oil based decorative cosmetics and personal care products i. e. eye shadows, nail varnishes, creams and foundations.

KRONOS 2171 has a low fraction of particles with a diameter below 0.1 µm.

KRONOS 2171 helps to protect the organic ingredients in the formulation from UV-decomposition.

Properties

KRONOS 2171 Titanium Dioxide E171

- Disperses readily and has good tinting strength; ~20% higher than the anatase based alternatives.
- Used as a white, natural-identical mineral colorant.
- Meets the purity requirements for titanium dioxide E171 in the EU¹.
- Meets the purity requirements for color additives according to FDA in the US¹.
- Meets the definition of ‘derived mineral ingredients’ according to the ISO 16128-1:2016 and ISO 16128-2:2017 standards with an Natural Index (NI) of 0 and an Natural Origin Index (NOI) of 1.
- The respective national legislations for cosmetic colorants must be observed¹.

¹ Further details can be found in the related Product Stewardship document

Product Characteristics

Production	rutile pigment produced by the sulfate process
Blending	plant-based organic component
INCI	Titanium Dioxide, Glycine Soya Oil
TiO ₂ content (DIN EN ISO 591)	100%
Standard classification (DIN EN ISO 591-1)	R 1
ASTM D 476	Type II
Density (DIN EN ISO 787-10)*	4.2 g/cm ³
Bulking value*	0.25 l/kg (0.03 gal/lb)
Oil absorption (DIN EN ISO 787-5)*	17 g/100 g pigment
Color index	Pigment White 6 (77891)
CAS No.	13463-67-7
REACH Registration No.	01-2119489379-17-xxxx

* Typical value

This information pertains solely to the identified product and includes our reliance on testing and information from third parties as of the date hereof. It is not intended to serve as legal, regulatory, or safety advice. It remains the sole responsibility of the customer to determine the suitability of the product when used in specific processes and applications or combined with other materials and to ensure compliance with all relevant laws, regulations, and standards governing those uses. The provision of this information DOES NOT CONSTITUTE A WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND REGARDING PERFORMANCE, SUITABILITY, STABILITY OR OTHERWISE, including compliance with any law, regulation, or industry standard. No contractual obligations or rights, either express or implied, are created between KRONOS and any recipient of this information. © Kronos Worldwide, Inc., KRONOS™ and logo designs associated therewith are copyrights and trademarks of Kronos Worldwide, Inc. and/or its subsidiaries or affiliates.