



KRONOS 2171

Titanium Dioxide

Pigment for oil based decorative cosmetics and personal care products

Description

- KRONOS 2171 is a purified rutile blended with a biobased 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 an outstanding low nano content well below 10% by number.
- KRONOS 2171 helps to protect the organic ingredients in the formulation from UV-decomposition.
- Developed for environmental friendly cosmetics.

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 EU*.
- Meets the purity requirements for color additives according to FDA in the US*.
- Meets the definition of ‘derived mineral ingredients’ according to the ISO 16128-1:2016 and ISO 16128-2:2017 standards with a Natural Index (NI) of 0 and a Natural Origin Index (NOI) of 1.
- The respective national legislations must be observed.

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

Product Characteristics

Production	rutile pigment produced by the sulfate process
Blending	biobased organic component
TiO ₂ content (DIN EN ISO 591)	≥ 99%
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

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