



# Titanium Dioxide

## TECHNICAL DATA SHEET

### Titanium Dioxide Anatase GTA171

#### Product Description :

GTA171 is Anatase Titanium Dioxide produced by sulfate process. It features high brightness, purity and good opacity. It is used in food, pharmaceuticals, cosmetics, toothpaste, soap, cigarette and cigarette paper applications.

**Version No.:** 2025.04.06

#### Product specification:

GTA 171 Specifications			
Particle size(micron)	0.4-0.6	Sieve residue (45µm)	<= 0.05%
Bulk density(g/cm <sup>3</sup> )	0.55	pH Value	6.0-8.5
Oil absorption(g/100g)	19-22	Surface area(m <sup>2</sup> /g)	20-30
TiO <sub>2</sub> content(%)	99.0-100.5	Whiteness	>= 98
Loss on drying(105°C, 3H)(%)	<= 0.50	Water soluble substance(%)	<= 0.25
Loss on ignition(800°C)(%)	<= 0.50	Acid soluble substance (0.5N HCl)(%)	<= 0.50
Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> (%)	<= 2.0%	Antimony(0.5N HCl soluble)(ppm)	<= 2
Arsenic(0.5N HCl soluble)(ppm)	<= 1	Lead(0.5N HCl soluble)(ppm)	<= 10
Mercury(0.5N HCl soluble)(ppm)	<= 1	Zinc(0.5N HCl soluble)(ppm)	<= 50
Cadmium(0.5N HCl soluble)(ppm)	<= 1	Iron(0.5N HCl soluble)(ppm)	<= 200
Bacteria(cfu/g)	<= 500	Moulds and Yeasts(cfu/g)	<= 500
Crystal Structure	Anatase	Appearance	White powder

**Applications:** Food, pharmaceuticals, cosmetics, toothpaste, soap, cigarette and cigarette paper.

G & J Resources Inc.

Address: Unit 502, 7300 Warden Ave, Markham, ON, Canada L3R 9Z6;

Tel: +1-905-6047008; Fax: +1-905-6047009



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## **Regulatory Information:**

Complies with:

US FDA regulation 21 CFR 73.575 (foodstuffs)

21 CFR 73.1575 (pharmaceuticals)

21 CFR 73.2575 (cosmetics)

Commission Regulation (EU) No 231/2012 (E171)

FAO/WHO, USP, EP, BP, FCCVII, JP

Certified:

KOSHER

HALAL

FDA

ISO-9001

ISO-14001

ISO-22000

REACH

**Standard Package:** 25kg Paper Bag, 1000kg/pallet.



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