



**Sino-American
Pigment Systems, Inc.**
QUALITY RAW MATERIALS ■ ENVIRONMENTAL TECHNOLOGY

Titanium Dioxide - Anatase, Food Grade

Description:

A181 has an excellent dispersibility and stability, little impurity, & excellent filterability.

Applications:

Food Contact Materials. For example, food packages, boxes, containers, etc. which refer to food processing equipment, kitchen utensils, cutlery, drinkware, etc.

Packaging:

25KG standard bag and 500 KG super sack are available. Palletized, shrink wrapped and suitable for high-sea shipment.

Typical Specifications

Product Code #: A181
Physical Form: White Powder

TiO ₂ [%]	Wt%	≥ 98.5
Appearance	/	White powder
Moisture	Wt%	≤ 0.5
Residue on Sieve (45 mesh)	Wt%	≤ 0.1
PH value	/	6.5—8.5
Specific resistance	Ω·cm	≥ 3800
Ignition loss	Wt%	≤ 0.35
Oil absorption	g/100g	≤ 22
Water dispersibility	Wt%	≥90
Fe	ppm	≤ 80
L*	/	≥ 99.7
b*	/	≤ -0.15

Typical Heavy Metals

Antimony	< 40ppm
Arsenic	< 5ppm
Barium	< 40ppm
Cadmium	< 1ppm
Chromium	< 5ppm
Chloride	< 100ppm

Copper	< 5ppm
Iron	< 50ppm
Lead	< 10ppm
Mercury	< 1ppm
Manganese	< 5ppm
Nickel	< 5ppm

Sulfur	< 100ppm
Selenium	< 1ppm
Vanadium	< 10ppm
Zinc	< 40ppm
Zirconium (calculated as ZrO ₂), n.b. ppm	
pH value (10% aqueous solution), 6.0-8.0	

Storage:

Keep the product unstacked in dry, room temperature and humidity. Use up the product within 12 months from delivery.