

5078 – TITANIUM DIOXIDE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5078	STANDARD SPECIFICATION FOR TITANIUM DIOXIDE (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
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PRODUCT PROPERTIES

C.A.S Number	13463-67-7
Chemical Formula	TiO ₂
Formula weight	79.88
Functional Uses	Titanium Dioxide is used as colour.
Standard Packaging	25 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to slightly coloured powder.
Solubility	Insoluble in water, hydrochloric acid, dilute sulfuric acid, and organic solvents. Dissolves slowly in hydrofluoric acid and hot concentrated sulfuric acid.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (at 105°C, 3 hours)	NMT – 0.5%
Loss on ignition (at 800°C) On dried basis	NMT – 1.0%
Aluminium oxide and/or silicon dioxide	NMT – 2%, either singly or combined
Water-soluble matter	NMT – 0.5%
Impurities soluble in 0.5 N hydrochloric acid	
Antimony	NMT – 2 mg/Kg
Arsenic	NMT – 1 mg/Kg
Cadmium	NMT – 1 mg/Kg
Lead	NMT – 10 mg/Kg
Mercury	NMT – 1 mg/Kg
Assay, on dried basis	NLT – 99.0%



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

