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CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS

Standard product specification

Titanium Dioxide Anatase

CAS 1317-70-0 · ≥92% TiO2

1. PRODUCT IDENTITY

Product name	Titanium Dioxide Anatase
C.A.S. number	1317-70-0
Grade / standard	≥92% TiO2
Description	White powder
Product group	Inorganic Pigments
Category	Pigments & Minerals
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	White powder	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Assay	Not less than 92.0 % w/w	92.40	Titrimetry / Instrumental
5	Shade	Matching approved standard	Matches standard	Visual / Spectrophotometric
6	Strength vs. Standard	100 ± 3 %	99.9 %	Spectrophotometry
7	Moisture	Not more than 5.0 % w/w	1.91	Gravimetry

8	Matter Insoluble in Water	Not more than 1.0 % w/w	0.328	Gravimetry
9	Oil Absorption	As per specification	45 g/100 g	ISO 787-5
10	Residue on 45 µm Sieve	Not more than 0.1 %	0.006	ISO 787-18
11	pH (10 % aqueous suspension)	6.0 – 9.0	6.9	ISO 787-9

3. DECLARATION

This document sets out the standard specification for Titanium Dioxide Anatase and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.

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