Scapex Exports Pvt. Ltd.
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CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Aminophylline

CAS 317-34-0 · ≥98% Pharma Grade (BP/USP)

1. PRODUCT IDENTITY

Product name	Aminophylline
C.A.S. number	317-34-0
Grade / standard	≥98% Pharma Grade (BP/USP)
Description	White or slightly yellowish granules
Product group	Bronchodilators
Category	Active Pharmaceutical Ingredients (APIs)
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 or slightly yellowish granules	Complies	Visual
2	Identification (A) — Infrared absorption	Concordant with reference spectrum	Complies	IR Spectrophotometry
3	Identification (B) — Chemical / chromatographic	Positive for the substance	Complies	As per monograph
4	Solubility	As per specification	Complies	Visual / Monograph
5	Assay	Not less than 98.0 % w/w	98.70	HPLC / Titrimetry (Monograph)
6	Clarity & Colour of Solution	Clear; not more intensely coloured than reference	Complies	Visual (Monograph)

7	pH (1 % w/v aqueous solution)	As per monograph	5.9	Potentiometry
8	Water Content (Karl Fischer)	Not more than 0.5 % w/w	0.26	Karl Fischer titration
9	Melting Range / Point	As per monograph	Complies	Capillary method
10	Particle Size (d90)	As per specification	199 µm	Laser diffraction
11	Sulphated Ash / Residue on Ignition	Not more than 0.1 % w/w	0.012	Gravimetry (Monograph)
12	Heavy Metals	Not more than 20 ppm	Less than 10 ppm	ICP-OES / Limit test
13	Related Substances — any individual impurity	Not more than 0.10 %	0.056	HPLC
14	Related Substances — total impurities	Not more than 0.50 %	0.196	HPLC
15	Residual Solvents	Complies with ICH Q3C limits	Complies	Headspace GC

3. DECLARATION

This document sets out the standard specification for Aminophylline 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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