Scapex Exports Pvt. Ltd.
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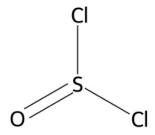
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Thionyl chloride, 99.5+%

CAS 7719-09-7 · Cl2OS · 99% Pharma Grade



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Thionyl chloride, 99.5+%
C.A.S. number	7719-09-7
Molecular formula	Cl2OS
Molecular weight	118.97 g/mol
Grade / standard	99% Pharma Grade
Description	Colourless to pale yellow fuming liquid
Product group	Chlorinating Agents
Category	Pharmaceutical Intermediates
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	Colourless to pale yellow fuming liquid	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Assay	Not less than 99.0 % w/w	99.51	Titrimetry / Instrumental
4	Clarity & Colour of Solution	Clear; not more intensely coloured than reference	Complies	Visual (Monograph)

5	pH (1 % w/v aqueous solution)	As per monograph	6.9	Potentiometry
6	Water Content (Karl Fischer)	Not more than 0.5 % w/w	0.06	Karl Fischer titration
7	Melting Range / Point	As per monograph	Complies	Capillary method
8	Particle Size (d90)	As per specification	197 µm	Laser diffraction

3. DECLARATION

This document sets out the standard specification for Thionyl chloride, 99.5+% 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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