Scapex Exports Pvt. Ltd.
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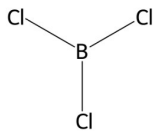
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

Boron Trichloride

CAS 10294-34-5 · BCl3 · 99.8% min.



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Boron Trichloride
C.A.S. number	10294-34-5
Molecular formula	BCl3
Molecular weight	117.17 g/mol
Grade / standard	99.8% min.
Description	Appearance as per specification
Product group	Research Chemicals
Category	Fine & Research Chemicals
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	Appearance as per specification	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 99.8 % w/w	100.00	Titrimetry / Instrumental
5	Loss on Drying	Not more than 1.0 % w/w	0.55	Gravimetry

6	Residue on Ignition	Not more than 0.5 % w/w	0.202	Gravimetry
7	Heavy Metals (as Pb)	Not more than 20 ppm	Less than 10 ppm	ICP-OES

3. DECLARATION

This document sets out the standard specification for Boron Trichloride 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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