

CERTIFICATE OF ANALYSIS

Standard product specification

Styrene-alpha-D1

CAS 1193-80-2 · 98% CHEMICAL PURITY, 9

1. PRODUCT IDENTITY

Product name	Styrene-alpha-D1
C.A.S. number	1193-80-2
Grade / standard	98% CHEMICAL PURITY, 9
Description	Clear colorless liquid
Product group	Deuterated NMR Solvents
Category	Laboratory & Analytical Reagents
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	Clear colorless liquid	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Assay	Not less than 98.0 % w/w	98.82	Titrimetry / Instrumental
4	Purity (by GC)	Not less than 99.5 % (area)	99.77	Gas Chromatography
5	Colour (APHA / Pt-Co)	Not more than 10	2	ASTM D1209
6	Water Content	Not more than 0.05 % w/w	0.0119	Karl Fischer titration
7	Acidity (as acetic acid)	Not more than 0.002 % w/w	0.0006	Titrimetry

8	Residue on Evaporation	Not more than 0.001 % w/w	0.0003	Gravimetry
9	Specific Gravity at 25 °C	0.903 – 0.909	0.9070	Pycnometry / ASTM D4052
10	Refractive Index at 20 °C	1.5449 – 1.5489	1.5477	Refractometry / ASTM D1218

3. DECLARATION

This document sets out the standard specification for Styrene-alpha-D1 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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