

CERTIFICATE OF ANALYSIS

Standard product specification

n-Propanol

CAS 71-23-8 · C₃H₈O · ≥99.5% Technical


STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	n-Propanol
C.A.S. number	71-23-8
Molecular formula	C ₃ H ₈ O
Molecular weight	60.10 g/mol
Grade / standard	≥99.5% Technical
Description	Clear colorless liquid
Product group	Alcohols
Category	Solvents & Glycols
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 99.5 % w/w	99.70	Gas Chromatography
4	Purity (by GC)	Not less than 99.5 % (area)	99.84	Gas Chromatography
5	Colour (APHA / Pt-Co)	Not more than 10	5	ASTM D1209

6	Water Content	Not more than 0.05 % w/w	0.0105	Karl Fischer titration
7	Acidity (as acetic acid)	Not more than 0.002 % w/w	0.0005	Titrimetry
8	Residue on Evaporation	Not more than 0.001 % w/w	0.0005	Gravimetry
9	Specific Gravity at 25 °C	0.800 – 0.806	0.8020	Pycnometry / ASTM D4052
10	Refractive Index at 20 °C	1.3836 – 1.3876	1.3864	Refractometry / ASTM D1218

3. DECLARATION

This document sets out the standard specification for n-Propanol 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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