

CERTIFICATE OF ANALYSIS

Standard product specification

Hydrogen Peroxide 50% Technical

CAS 7722-84-1 · H₂O₂ · 50% w/w Technical


STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Hydrogen Peroxide 50% Technical
C.A.S. number	7722-84-1
Molecular formula	H ₂ O ₂
Molecular weight	34.01 g/mol
Grade / standard	50% w/w Technical
Description	Clear colorless liquid
Product group	Peroxides
Category	Oxidizers & Bleaching Agents
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 50.0 % w/w	50.95	Iodometric titration
4	Matter Insoluble in Water	Not more than 3.0 % w/w	0.75	Gravimetry
5	Moisture	Not more than 8.0 % w/w	3.76	Gravimetry

6	Bulk Density	As per specification	0.77 g/mL	Tapped density
7	Particle Size — through 8 mesh	Not less than 95 %	99.2	Sieve analysis
8	Thermal Stability	Complies (self-accelerating decomposition test)	Complies	UN Test O.1 / SADT

3. DECLARATION

This document sets out the standard specification for Hydrogen Peroxide 50% Technical 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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