

CERTIFICATE OF ANALYSIS

Standard product specification

Sodium Hypochlorite Solution

CAS 7681-52-9 · ClNaO · 10-12% available chlorine

Na⁺


STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Sodium Hypochlorite Solution
C.A.S. number	7681-52-9
Molecular formula	ClNaO
Molecular weight	74.44 g/mol
Grade / standard	10-12% available chlorine
Description	Pale yellow-green liquid
Product group	Chlorination Chemicals
Category	Water Treatment 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	Pale yellow-green liquid	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Available Chlorine	10.0 – 12.0 % w/w	11.02	Titrimetry / Instrumental
4	Specific Gravity at 25 °C	As per specification	Conforms	Hydrometry

5	pH (as supplied)	As per specification	7.2	Potentiometry
6	Iron (as Fe)	Not more than 50 ppm	6.2 ppm	ICP-OES
7	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
8	NSF/ANSI 60 suitability	Suitable for potable water treatment	Complies	Manufacturer declaration

3. DECLARATION

This document sets out the standard specification for Sodium Hypochlorite Solution 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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