

Sodium Hypochlorite

Disinfectant and bleaching agent

Product Description

Sodium Hypochlorite solution is a broad-spectrum disinfectant and bleaching agent used in water treatment, healthcare and surface disinfection.

Certificate of Analysis

HSN Code: 2828.10

CAS Number: 7681-52-9

Classification: Oxidizer / Disinfectant Solution

Parameter	Specification	Test Method
Appearance	Clear pale yellow-green liquid	Visual
Available Chlorine	10–12% (w/v) as per grade	Iodometric Titration
Excess NaOH	0.25–0.50%	Titration
Iron (Fe)	"d 1 p p m	AAS
Specific Gravity	1.14–1.18 (for 10% grade)	Hydrometer
Turbidity	Clear to slight haze	Visual / Nephelometry
Heavy Metals	"d 1 0 p p m	ICP-MS

Physical Properties

Appearance: Clear pale yellow-green liquid

Odor: Characteristic chlorine bleach odor

Molecular Formula: NaOCl

Molecular Weight: 74.44 g/mol

Solubility: Fully miscible with water

Packing: 30 kg / 50 kg HDPE drums; 250 kg HDPE drums; IBC 1000 L containers

Storage: Store in cool (<25°C), dark location away from heat and sunlight. Keep away from acids, reducing agents, and an

Safety & Handling

PPE: Chemical-resistant gloves, face shield, protective apron

Hazards:

- Corrosive – causes burns to skin and eyes
- Releases chlorine gas with acids
- Oxidizer