

Glyoxal

Clear to yellow liquid solution

Product Description

Glyoxal used in textile finishing, paper treatment, and as a crosslinking agent.

Certificate of Analysis

HSN Code: 2912.49

CAS Number: 107-22-2

Classification: Hazardous

Parameter	Specification	Test Method
Assay (Glyoxal content)	Min 40% (40% aqueous solution)	Titration / HPLC
Appearance	Clear, colorless to pale yellow liquid	Visual
pH (10% aqueous solution)	3.0 – 4.0	pH meter
Specific Gravity (20°C)	1.14 – 1.16 g/cm ³	Hydrometer / Density meter
Refractive Index (20°C)	1.425 – 1.430	Refractometer
Aldehyde Content	Min 39%	Titration
Moisture Content	Max 2.0%	Gravimetric / Karl Fischer
Chlorides (as Cl ⁻)	Max 0.05%	Titration

Physical Properties

Appearance: Clear, colorless to pale yellow liquid

Odor: Characteristic

Molecular Formula: C₂H₂O₂

Molecular Weight: 58.04 g/mol

Solubility: Miscible with water

Density: 1.14 – 1.16 g/cm³ at 20°C

Packing: 200 kg HDPE drums, 1000 kg IBC tanks, Bulk tanker for large volumes

Storage: Store in a cool, dry, well-ventilated place. Keep containers tightly closed. Protect from freezing and heat.

Safety & Handling

PPE: Chemical-resistant gloves, face shield, goggles, protective clothing, respiratory protection

Hazards:

- Corrosive to skin and eyes
- Acute toxicity
- Respiratory sensitizer