

SPECIFICATION

Product Name: Glycerine Food Grade
Chemical Formula: C ₃ H ₈ O ₃
CAS Number: 56-81-5
Molecular Weight: 92.09 g/mol
Appearance: Clear colourless syrupy liquid
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specifications Min./Max.
Glycerol	%	99.75%	Min. 98.0%
Relative Density @30°C	-	1.2598	Min. 1.2552
Colour on Lovibond scale as Y + R	-	0.2	Max. 1.0
Ash	%	0.004	Max. 0.01
Arsenic	PPM	0.38	Max. 2.0
Copper	-	Passes	To pass test
Iron	PPM	0.39	Max. 0.50
Lead	PPM	Passes	Max. 1.0 PPM
Chlorides	PPM	2.4	Max. 10.0
Sulphates	PPM	0.97	Max. 10.0
Alkalinity	%	Nil	Nil
Fatty acid & ester	%	0.013	Max. 0.030
Acraldehydes & Glucose	-	Passes	To pass test

Reducing substances	-	Passes	To pass test
---------------------	---	--------	--------------

Physical Properties

- Solubility: Soluble in water. Freely miscible in ethanol. Freely miscible in methanol. Soluble in acetone. Insoluble in ether. Soluble in chloroform.

Shelf Life & Storage

- Shelf Life: 1 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, airtight container in a cool, dry, and well-ventilated place, protected from moisture, excessive heat, direct sunlight, and contamination.

Applications

- Use: Widely used in the food, beverage, nutraceutical, pharmaceutical, and personal care industries.
- Dosage: Depends on Desired sweetness, Moisture retention requirements, Viscosity, Product formulation, Processing conditions, Regulatory requirements.

Packaging

- Standard Packing: 250 Liter HDPE Drum or as per customer requirement.
 - Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
- * Specifications are based on the manufacturer's provided specifications.