

## 5028 – GLYCEROL, (GLYCERINE) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5028	STANDARD SPECIFICATION FOR GLYCEROL (GLYCERINE) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5028

### PRODUCT PROPERTIES

C.A.S Number	56-81-15
Chemical Formula	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>
Formula weight	92.10
Functional Uses	Glycerol is used as humectant, solvent, bodying agent, plasticizer.
Standard Packaging	25 kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Clear, colourless, hygroscopic, syrupy liquid, having a not more than a slight characteristic odour, which is neither harsh nor disagreeable
Solubility	Miscible with water and with ethanol; immiscible with ether
Test for glycerol	Passes test

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Water (By KF)	NMT – 5.0%
Colour	Passes test
Sulfated ash	NMT – 0.01%
Chlorides	NMT – 10 mg/kg
Chlorinated compounds (as Cl ion)	NMT – 30 mg/kg
Fatty Acids and Esters	NMT – 30 mg/kg
Readily carbonizable substances	Passes test.
Butanetriols	NMT – 0.2%
Lead	NMT – 2 mg/Kg
Assay (on anhydrous basis)	NLT – 99%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

