

## SPECIFICATION

## Glycerol

for GC

REQUIREMENT	SPECIFICATION
Assay (HOCH <sub>2</sub> CHOHCH <sub>2</sub> OH) (GC)	min.99.5%(area/area)
Appearance (color)	max.10Hazen units
Water	max.1.0%(mass/mass)
Residue after ignition (as sulfate)	max.0.005%(mass/mass)
Acidity (as CH <sub>3</sub> COOH)	max.0.002%(mass/mass)
Alkalinity (as NH <sub>3</sub> )	max.4ppm(mass/mass)
Chloride (Cl)	max.1ppm(mass/mass)
Sulfate (SO <sub>4</sub> )	max.5ppm(mass/mass)
Lead (Pb)	max.1ppm(mass/mass)
Iron (Fe)	max.1ppm(mass/mass)
Arsenic (As)	max.1ppm(mass/mass)
Ammonium (NH <sub>4</sub> )	max.5ppm(mass/mass)
Acrolein and sugars	to pass test
Fatty acid esters (as glycerol tributryate)	max.0.05%(mass/mass)
Aldehyde (as HCHO)	max.10ppm(mass/mass)
Substances darkened by sulfuric acid	to pass test
Ethylene glycol (HOCH <sub>2</sub> CH <sub>2</sub> OH)	max.0.02%(mass/mass)
Diethylene glycol [(HOC <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> O]	max.0.02%(mass/mass)

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