



金源化工私人有限公司
NOBLE SPECIALTY SDN. BHD. (182260-U)

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SPECIFICATION

COMMODITY : Glycerine
ORIGIN : Malaysia
PACKING : 250kgs Drum



CHARACTERISTICS	SPECIFICATION	METHOD
Assay (C ₃ H ₈ O ₃ , calculated on the anhydrous basis)	99.00 - 101.00	USP-NF 2025
Water Content, %	0.3 max.	USP-NF 2025
Specific Gravity at 25°C	1.249 min.	USP-NF 2025
Color	Pass	USP-NF 2025
Residue On Ignition, %	0.01 max	USP-NF 2025
Chlorides, ppm	10 max	USP-NF 2025
Sulfates, ppm	20 max	USP-NF 2025
Heavy Metals (as Pb), ppm	5 max	USP <231>
Limit of Chlorinated Compounds, ppm	30 max	USP-NF 2025
Fatty Acid & Ester (as mL of 0.5N NaOH consumed), mL	1.00 max	USP-NF 2025
Identification		
- A (Infrared Spectoroscopy <197F>)	Pass	USP-NF 2025
- B (Limit of diethylene glycol & ethylene glycol)		
Diethylene glycol, %	0.1 max.	USP-NF 2025
Ethylene glycol, %	0.1 max.	USP-NF 2025
- C (Retention Time of glycerin's peak)	Meet test requirement	USP-NF 2025
Related Compounds	0.1 max	USP-NF 2025
- Individual impurities (excluding any solvent peak and diethylene glycol), %	-	
- Total impurities, %	1.0 max	USP-NF 2025
Glycerol, %	99.7 min.	APAG-GL-008
Color APHA	10 max.	AOCS Ea 9-65 : 1997
Arsenic, ppm	1.5 max.	AAS