



金香料私人有限公司  
**MASCHEM SDN. BHD.** (No : 169345-K)

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**SPECIFICATION**

**COMMODITY** : Glycerine  
**ORIGIN** : Malaysia  
**PACKING** : 250kgs Drum



CHARACTERISTICS	SPECIFICATION	METHOD
Assay (C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> , 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
<b>Identification</b> - A (Infrared Spectoroscopy <197F>) - B (Limit of diethylene glycol & ethylene glycol)	Pass	USP-NF 2025
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
<b>Related Compounds</b> - Individual impurities (excluding any solvent peak and diethylene glycol), % - Total impurities, %	0.1 max - 1.0 max	USP-NF 2025  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