



PT. NUBIKA JAYA
Jalan Sultan Iskandar Muda No 107. Medan – 20154 – Indonesia
Tel: +62-61 457 7777 Fax: +62-61 456 9755
Website: www.permatagroup.com

GLYCERINE USP 99.7% MIN

NO : DPM-QA-03-10
REVISION : 00
DATE : 01-02-2010

Chemical Properties	Method	Specified Range
Assay (% Glycerine on Anhydrous Basis)	USP 33	99.7 min
Specific Gravity, 25°C	USP 33 (841)	1.2613 min
Water, %	USP 33 (921) Method I	0.30 max
Color APHA	USP 33	10 max
Residue on Ignition, %	USP 33 (281)	0.01 max
Chlorides, ppm	USP 33 (221)	10 max
Sulphates, ppm	USP 33 (221)	20 max
Heavy metals, ppm as Pb	USP 33 (231)	5 max
Chlorinated Compound, ppm as Cl	USP 33	30 max
Organic Volatile Impurities	USP 33 (467) Method IV	Passes test for OVI
Fatty Acid & Esters, ml 0.5 N NaOH/g	USP 33 (541)	1 max
Identification by IR	USP 33 (197F)	Infrared Spectrum
Identification by GC	USP 33 (621)	Passes test as glycerine
Diethylene Glycol (DEG) and Ethylene Glycol, % wt	USP 33	DEG and Ethylene Glycol – 0.1 max
Organic impurities, %wt	USP 33	Individual impurities 0.1 max Sum of all impurities 1.0 max
CAS Number	56-81-5	

Forms of delivery : Liquid in 250 kg drums or bulk containers.
Storage information : Product stored in lined steel drum at ambient temperature is stable for min 2 years.
Country of Origin : Indonesia

Derivation/GMO/Allergen/BSE - KOSHER

Palmata Refined Glycerine USP 99.7% min, glycerin derived from naturally occurring vegetable oils (Palm Kernel Oil, Palm Oil and Palm Stearin)

- Contains no genetically modified organism (GMOs)
- No preservatives or additives are present
- No gluten/wheat, corn, dairy, egg, fish/shellfish, sulfites, yeast, starch, MSG, peanut, other nut, rice, sugar, sodium, or soy potential allergens are present
- Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) are not a concern with these products.

All data including the formulations and procedures discussed herein believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your own plant or laboratory. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to term and conditions included in PT. Nubika Jaya documents. Nothing contained herein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Material Safety Data Sheets. Users of these products are urged to study and use this information.