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**CERTIFICATE OF ANALYSIS**  
**275/LDC-INDO/COA/25**

SHIPMENT DATE : 1 Dec 2025  
 VESSEL : MSC PAOLA V.HW547R  
 DESCRIPTION OF GOODS : REFINED GLYCERINE  
 PACKING : 1250 KGS TOTES IBC  
 QUANTITY : 40 MT  
 LOAD PORT : PANJANG, INDONESIA  
 PORT OF DISCHARGE : LOS ANGELES, UNITED STATES OF AMERICA  
 SHIPPER & MANUFACTURER NAME : PT. LDC INDONESIA  
 SHIPPER ADDRESS : WISMA 46 KOTA BNI LT.15 SUITE 15.01  
 JL. JEND. SUDIRMAN KAV.1  
 KARET TENGSIN - TANAH ABANG  
 JAKARTA PUSAT - DKI JAKARTA  
 10220 INDONESIA  
 MANUFACTURER ADDRESS : JL. YOS SUDARSO KM. 7 PIDADA PANJANG,  
 BANDAR LAMPUNG INDONESIA  
 CONSIGNEE : RIERDEN CHEMICAL & TRADING COMPANY  
 115 WEST CHURCH ST.  
 LIBERTYVILLE, IL 60048  
 NOTIFY: TRACY KRUSE  
 PH: 847-816-9310  
 FX: 847-816-9318  
 IMPORT@RIERDENCHEMICAL.COM  
 NOTIFY PARTY : 1) MGF US INC  
 800 ROOSEVELT ROAD  
 SUITE 410 BLDG B  
 GLEN ELLYN, IL 60137  
 ATTN: JESSICA SEE  
 PHONE: 630-474-9509  
 EMAIL: JSEE@MGFGROUP.COM  
 2) RIERDEN CHEMICAL & TRADING COMPANY  
 115 WEST CHURCH ST.  
 LIBERTYVILLE, IL 60048  
 NOTIFY: TRACY KRUSE  
 PH: 847-816-9310  
 FX: 847-816-9318  
 IMPORT@RIERDENCHEMICAL.COM  
 B/L NO. : MEDURQ022218  
 PO NUMBER : RCT 17080

Container Nos	Lot Number	Manufacturing Date	Expire Date	Qty IBC
MSNU1583263	5021521-1	22112025	21112027	16
MSNU3566753	5021521-1	22112025	21112027	16

PARAMETERS	TEST METHODS	UNIT, UMIT	SPECIFICATIONS	RESULTS
Appearance	USP 43	-	Transparent (free of particles)	Clear & Transparent
Glycerine Content	USP 43	%	Min 99.7	99.88
Specific Gravity @ 25°C	USP 43	-	Min. 1.2613	1.2623
Identification A by FTIR	USP 43	Pass	Pass	Pass
Identification B	USP 43	Pass	Pass	Pass
Diethylene Glycol	USP 43	%	Max 0.1	<0.1
Ethylene Glycol	USP 43	%	Max 0.1	<0.1
Identity C (Confirmation of Glycerin by GC)	USP 43	Pass	Pass	Pass
Related Compounds – Individual	USP 43	%	Max 0.1	<0.1
Related Compounds – Total	USP 43	%	Max 1.0	<1.0
Assay (Anhydrous Basis)	USP 43	%	99.0-101	99.93
Sulfate	USP 43	ppm	Max 20	<20
Chloride	USP 43	ppm	Max 10	<10
Chlorinated Compounds	USP 43	ppm	Max 30	<30
Fatty Acid & Ester	USP 43	ml 0.5N NaOH/50g	Max 1.0	0.46
Heavy Metals	USP 43	ppm	Max 5	<5
Lead	USP 43	ppm	Max 1.0	<1
Residue on Ignition	USP 43	%	Max 0.01	<0.01
Color	APHA	APHA	Max 10	2.50
Readily Carbonizable Substances	USP 43	Pass	Pass	Pass
Water	USP 43	%	Max 0.3	0.12
Residual Solvent	USP 43	Pass	Pass	Pass
Odor	USP 43	Pass	Pass	Pass

Yours Faithfully,  
 Lampung, 1 Dec 2025  
**PT LDC INDONESIA**

AS MANUFACTURER

