

## CERTIFICATE OF ANALYSIS

DESCRIPTION OF GOODS

REFINED GLYCERINE 99.7% MIN (NOT FOR MEDICINAL USE)

SPECIFICATION: TEST	RESULTS				SPECIFICATION
	A-5509DMS3L	A-5519DMS3L	A-5529DMS3L	A-5539DMS3L	
GLYCERINE CONTENT, %	99.8	99.8	99.8	99.8	99.7 MIN
SPECIFIC GRAVITY, 25/25°C	1.2616	1.2616	1.2616	1.2616	1.2612 MIN
COLOUR APHA, A	<10	<10	<10	<10	10 MAX
IDENTIFICATION (TEST A)	PASSED	PASSED	PASSED	PASSED	PASSES USP 41
IDENTIFICATION (TEST B)					
- DIETHYLENE GLYCOL, %	<0.01	<0.01	<0.01	<0.01	0.10 MAX
- ETHYLENE GLYCOL, %	<0.01	<0.01	<0.01	<0.01	0.10 MAX
IDENTIFICATION (TEST C)	PASSED	PASSED	PASSED	PASSED	PASSES USP 41
RESIDUE ON IGNITION, %	<0.01	<0.01	<0.01	<0.01	0.01 MAX
MOISTURE, %	0.05	0.05	0.06	0.05	0.3 MAX
CHLORIDE, ppm	<10	<10	<10	<10	10 MAX
SULFATE, ppm	<20	<20	<20	<20	20 MAX
LIMIT OF CHLORINATED COMPOUNDS, ppm	<30	<30	<30	<30	30 MAX
FATTY ACIDS & ESTERS, (ml 0.5N NaOH)	0.3	0.3	0.3	0.3	1.0 MAX
RELATED COMPOUNDS (INDIVIDUAL IMPURITY), %	<0.1	<0.1	<0.1	<0.1	0.1 MAX
RELATED COMPOUNDS (TOTAL IMPURITIES), %	<1.0	<1.0	<1.0	<1.0	1.0 MAX
ASSAY, %	99.8	99.8	99.8	99.8	99.0 - 101.0
	<5	<5	<5	<5	5 MAX