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PT Musim Mas

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BATAM, 21 OCTOBER 2022

CERTIFICATE OF ANALYSIS

DESCRIPTION OF GOODS : MASCEROL GLYCERINE 99.7 PCT USP/FCC

LOT NO : 6412JME3L

MANUFACTURING DATE : 14 OCTOBER 2022

EXPIRY DATE : 14 OCTOBER 2024
(STORE UNDER COOL, DRY AND SHADED WAREHOUSE.
AVOID DIRECT HEAT AND SUNLIGHT)

TEST PARAMETER	UNIT	TEST METHOD	RESULTS	SPECIFICATION
			LOT NO. 6412JME3L	
GLYCERINE CONTENT	%	AOCS Ea 7-95	99.8	99.7 MIN
SPECIFIC GRAVITY	25/25°C	USP43-NF38	1.2616	1.2612 MIN
COLOUR	APHA	AM.QA.G03	<10	10 MAX
IDENTIFICATION TEST A ¹		USP43-NF38	PASSED	PASSES
IDENTIFICATION TEST B ¹				
- DIETHYLENE GLYCOL	%	USP43-NF38	<0.10	0.10 MAX
- ETHYLENE GLYCOL	%	USP43-NF38	<0.10	0.10 MAX
IDENTIFICATION TEST C ¹		USP43-NF38	PASSED	PASSES
RESIDUE ON IGNITION	%	USP43-NF38	<0.01	0.01 MAX
MOISTURE	%	USP43-NF38	0.05	0.3 MAX
CHLORIDE	ppm	USP43-NF38	<10	10 MAX
SULFATE	ppm	USP43-NF38	<20	20 MAX
HEAVY METALS ¹	ppm	USP 39	<5	5 MAX
LIMIT OF CHLORINATED COMPOUNDS	ppm	USP43-NF38	<30	30 MAX
FATTY ACIDS & ESTERS	ml 0.5N NaOH	USP43-NF38	0.28	1.0 MAX
RELATED COMPOUNDS (INDIVIDUAL IMPURITY) ¹	%	USP43-NF38	<0.1	0.1 MAX
RELATED COMPOUNDS (TOTAL IMPURITIES) ¹	%	USP43-NF38	<1.0	1.0 MAX
ASSAY	%	USP43-NF38	99.9	99.0 - 101.0

Note: ¹ = Based on periodic testing results by External Laboratory.



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(AS MANUFACTURER)