

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: **GLYCERINE (PALM FREE) 99.5%, REFINED ORGANIC**

LOT NUMBER: **Q1116 (LOT0016323)**

PRODUCT INCI: GLYCERIN (DERIVED FROM RAPESEED) & AQUA

PRODUCT CODE: K0204

CAS NUMBER: 56-81-5 & 7732-18-5

EINECS NUMBER: 200-289-5 & 231-791-2

MANUFACTURING METHOD: REFINED

MANUFACTURING DATE: 30/08/22

BEST BEFORE DATE: 30/08/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	VISCOUS LIQUID	-
ODOUR	ODOURLESS	-
COLOUR	CLEAR	-
SPECIFIC GRAVITY @ 20°C	1.200 – 1.300	1.2612
REFRACTIVE INDEX @ 20°C	1.470 – 1.475	1.472
ACID VALUE	<2.0	0.2
PEROXIDE VALUE (%)	<5.0	2.6
GLYCEROL CONTENT (%)	>99.5	99.8
SULPHATED ASH (%)	<0.001	CONFORMS
CHLORIDES (%)	<0.001	CONFORMS
ESTER (ML 0.1N HCl)	0.1 MAX	CONFORMS
HEAVY METALS (%)	<0.0005	CONFORMS
ALDEHYDES, REDUCING SUBSTANCES (PPM)	<10.0	CONFORMS
MOISTURE	<0.5	0.19
DIETHYLENE GLYCOL (%)	0.01 MAX	CONFORMS
ETHYLENE GLYCOL (%)	0.01 MAX	CONFORMS
HYDROXYL VALUE	160>	CONFORMS

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