

CERTIFICATE OF ANALYSIS

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

LOT NUMBER: **R0511** (LOT0017349)

PRODUCT INCI: GLYCERIN (DERIVED FROM RAPESEED)

PRODUCT CODE: K0203

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

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

MANUFACTURING METHOD: REFINED

MANUFACTURING DATE: 20/12/22

BEST BEFORE DATE: 20/12/24

ANALYTICAL DETAILS	RANGE %	RESULTS
APPEARANCE	VISCOUS LIQUID	-
ODOUR	ODOURLESS	-
COLOUR (APHA)	10 MAX	< 5.0
GLYCEROL CONTENT (% M/M)	>99.5	99.7
REFRACTIVE INDEX @ 20°C	1.471 – 1.474	1.474
SPECIFIC GRAVITY @ 25°C	>1.257	1.263
WATER (KARL FISCHER %)	<0.5	0.097
SULPHATED ASH (%)	<0.01	<0.01
BUTANETRIOLS (%)	<0.2	COMPLIES
FATTY ACIDS & ESTERS (AS BUTYRIC ACID((%)	<0.1	COMPLIES
CHLORINATED COMPOUNDS (PPM)	<30.0	COMPLIES
ARSENIC (MG/KG)	<3.0	COMPLIES
LEAD (MG/KG)	<2.0	COMPLIES
MERCURY (MG/KG)	<1.0	COMPLIES
CADMIUM (MG/KG)	<1.0	COMPLIES
HEAVY METALS (PPM)	<5.0	COMPLIES
ACIDITY & ALKALIMITY (ML 0.1M NAOH)	<0.2	COMPLIES
ALDEHYDES (PPM)	<10.0	COMPLIES
ESTERS (ML 0.1N HCl)	≥8.0	COMPLIES
HALOGENATED COMPOUNDS (PPM)	<35.0	COMPLIES
GLYCEROL CONTENT (%)	>99.5	COMPLIES
CHLORIDES (PPM)	<10.0	COMPLIES

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