



NHR ORGANIC OILS
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Certificate of Analysis Sheet Organic Vegetable Glycerine

PRODUCT NAME: GLYCERINE (PALM FREE) REFINED ORGANIC
BATCH NUMBER: 110523-1
PRODUCT INCI: GLYCERIN (DERIVED FROM RAPESEED) & AQUA
CAS NUMBER: 56-81-5 & 7732-18-5
EINECS NUMBER: 200-289-5 & 231-791-2
MANUFACTURING METHOD: REFINED

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	1.473
ACID VALUE	<2.0	0.19
PEROXIDE VALUE (%)	<5.0	0.3
GLYCEROL CONTENT (%)	>99.5	99.81
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	0.18
DIETHYLENE GLYCOL (%)	0.01 MAX	CONFORMS
ETHYLENE GLYCOL (%)	0.01 MAX	CONFORMS
HYDROXYL VALUE	160>	CONFORMS

The attached information is considered to be correct at the time the client received this information. Please be aware that detail can change and we encourage clients to update their records with NHR Organic Oils regularly. The information is not and should not be considered a guarantee or warranty, or a part of our contractual or other legal obligations.