



CERTIFICATE of CONFORMANCE

Supplier :

Product	Glycerine Refined USP Grade
Batch	D150520-12-1
Lot Reference	D150520-12-1
Manufactured / Expiry	15-May-2015 / 14-May-2017
Sales Order	2942686

Description	Glycerine USP	Results
Appearance: clear liquid	Conforms	Conforms
Solubility <small>BP2011</small>	Passes Test	Passes Test
Identification: A, B, C, D	Passes Test	Passes Test
Glycerol Content (%)	98.0 -101.0	99.89
Specific gravity @ 25 deg C	Min 1.2606	1.2619
Fatty Acids and Esters as Na2O (%)	Max 1	0.5
Acidity <small>BP2011</small>	Max 0.2	negative
Chlorides (ppm)	Max 10	<10
Refractive Index (<small>n_{20D}</small>)	1.470 -1.475	1.473
Sulphated Ash (%)	Max O.Q1	0.003
Aldehydes(ppm)	Max 10	negative
Heavy metals as Pb (ppm)	Max 5	< 5
Halogenated Compounds (ppm)	Max 30	<30
Water (%)	Max 0.5	0.14
Sugar content	negative	negative
Colour, under optimum conditions (APHA)	Max 10	9
Impurity A <small>BP2011 (%)</small>	Max 0.1	negative
Impurity A and Related Substances	Passes Test	Passes Test
Conforms to USP32	Conforms	Conforms

Results are based on CoA presented upon procurement of the product

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