

Manufacturing : 603-6034 4800

Fax : 603-6034 2340 / 603-6034 1279

CERTIFICATE OF ANALYSIS

PRODUCT : REFINED GLYCERINE USP 99.5% LIQUID
DATE OF CERTIFICATE :
OUR SALES ORDER :
BATCH NUMBER/ LOT NUMBER :
QUANTITY : 100.000 MT
MANUFACTURING DATE/ PRODUCTION DATE :
RECOMMENDED RETEST DATE/ EXPIRY DATE :
CUSTOMER PO NUMBER :

We certify, that we have examined a sample of the above mentioned goods with the following results :

Test Description	Unit	Reference Test Method	Min	Max	Result
Glycerine Content	%	USP	99.0	101.0	99.9
Colour		Visual Test	Pass		Pass
*Identification A - Infrared Absorption		USP	Pass		Pass
*Identification B - Limit of DEG & EG, < 0.1% respectively		USP	Pass		Pass
*Identification C - Chromatography		USP	Pass		Pass
Specific Gravity 25/25°C		USP	1.249		1.262
*Residue on Ignition	%	USP		0.01	<0.01
Water	%	USP		5.0	0.0
Chloride	ppm	USP		10	<10
*Sulfate, ≤ 20 ppm		USP	Pass		Pass
*Heavy Metals, ≤ 5 ppm		USP	Pass		Pass
*Limit of Chlorinated Compounds, ≤ 30 ppm		USP	Pass		Pass
Fatty Acids & Esters, ml 0.5N NaOH	ml	USP		1.0	0.4
Related Compounds -*Individual Impurities	%	USP		0.1	<0.1
Related Compounds -*Total Impurities	%	USP		1.0	<1.0

آرکا شیمی گستر سپیدار

* Parameter is not tested on every batch and result is determined statistically

Recommended retest date/expiry date is only valid for product in its original and unopened package.