

CERTIFICATE OF ANALYSIS

PRODUCT NAME: REFINED GLYCERINE 99.7% PRODUCT CODE: TGC 01

LOT No.: 0115-2018

REPORT No.: LB1803-138

DATE OF MANUFACTURE: 21/ 02/ 2018

DATE OF EXPIRY: 20/ 02/ 2020

DATE OF ANALYSIS: 16/ 03/ 2018

STANDARD: USP

No.	Item	Method of Analysis	Specification	Result
1	Appearance	Visual	Transparent	PASS
2	Glycerol Content (%wt)	USP 39	99.7 min	99.78
3	Color (Hazen)	ASTM D 1209	10 max	5
4	Specific Gravity (25°C)	USP 39	1.2612 min	1.2612
5	Fatty Acid & Esters (ml,0.5N NaOH)	USP 39	1.0 max	0.83
6	Water Content (%wt)	USP 39	0.3 max	0.10
7	Chloride (ppm)	USP 39	10 max	PASS
8	Sulphate (ppm)	USP 39	20 max	PASS
9	Residue on Ignition (%wt)	USP 39	0.01 max	< 0.01
10	Heavy Metals (as Pb), (ppm)	USP 39	5 max	< 5
11	Limit of chlorinated compounds, (mg/kg)	USP 39	30 max	< 30
12	Individual Impurity (%)			
	- Diethylene Glycol	USP 39	0.1 max	< 0.1
	- Ethylene Glycol	USP 39	0.1 max	< 0.1
13	Total Impurity (%)	USP 39	1 max	< 1

Analyzed by:

Date: 16/ 03/ 2018

Checked by:

Date: 16/ 03/ 2018

Certified



Derek G. Hodges
President & CEO
ESSENTIAL DEPOT INC.