

Certificate of Analysis

F - QA - 09 - 001

Rev.Number : 01

QUALITY ASSURANCE

Date : MARCH 18, 2010
 Description : REFINED GLYCERINE 99.7% MIN USP, KOSHER
 Specification : per contract
 Reference No : 1020002069
 Shipment No : S00058-USP997-10

Container No	Batch No	Quantity
CAXU 6120178	USP997 02032010/D001 05	80 drums
CAXU 6138407		80 drums

Properties	Result	Specification
Specific Gravity (at 25° C)	1.2613	1.249 MIN
Colour (APHA)	3	10 MAX
Glycerol Content (%)	99.78	99.7 MIN
Moisture Content (%)	0.10	0.5 MAX
Residue on Ignition (%)	0.007	0.01 MAX
Chlorides (ppm)	< 10	10 MAX
Limited of Chlorinated Compounds (ppm)	< 30	30 MAX
Total Heavy Metal (ppm)	< 5	5 MAX
Sulphates (ppm)	< 20	20 MAX
Arsenic (ppm)	0.22	1.5 MAX
Fatty Acids & Esters (as ml of 0.5N NaOH)	0.19	1 MAX
Related Compounds (Individual Impurity) (%)	< 30	30 MAX
Related Compounds (Total Impurity) (%)	< 1	1.0 MAX
Identification A	PASS	PASS
Identification B	PASS	PASS
Identification C	PASS	PASS

CERTIFIED CORRECT,



MIRTA SITUMORANG
QA HEAD

