

237351

102015



SQM NORTH AMERICA
 2727 Paces Ferry Road
 Bldg 2, Suite 1425
 Atlanta, GA 30339
 USA
 Tel: (1-770) 916 9400
 Fax: (1-770) 916 9401

Certificate of Analysis: 012632
Lot 416

PRODUCT DESCRIPTION

NAME : POTASSIUM NITRATE, PRILLED, STANDARD PRILL, REFINED QUALITY
 FILIAL FABRICANTE : 0400
 APPEARANCE : WHITE PRILLS
 COMMERCIAL APPLICATION : INDUSTRIAL
 INTERNAL CODE : NPP-R
 CHEMICAL FORMULA : KNO3

CHEMICAL ANALYSIS	VALUES	TYPICAL VALUE	SPECIFICATIONS	
			MIN	MAX
KNO3	99.8 %		99.8 %	
SO4	0.009 %	0,01 %		
Cl	0.018 %			0.03 %
Insoluble	0.006 %	0,020 %		
H2O	0.01 %	0,10 %		

PHYSICAL ANALYSIS	VALUES	TYPICAL VALUE
US Std 12	62	
US Std 16	94	
US Std. 20	99	99

Isabel Guerrero
 Laboratory Manager

Beatriz Oelckers
 Global Quality Manager

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

REMAINING BALANCE FROM TANK 350 WAS TRANSFERRED INTO TANK 311 ON 5/14/2018



Wilmar Oleo North America LLC
11200 Broadway
Suite 2338
Pearland, Texas 77584

CERTIFICATE OF ANALYSIS

Product: GLYCERIN 99.7%, USP
Trade Name: WILFARIN™ USP-997
Vessel/Voyage: "Ginga Lynx" Voyage # 1801
Terminal/Location: Hudson Tank, Port Newark, NJ
Sample Drawn From: Shore Tank 350
Date: April 18, 2018
Lot Number: 350-18-108
Date of Manufacture: March 8, 2018
LSI WO Number: CM180149-24

Lot#
20149018137001

TEST	SPECIFICATION	RESULT
Description	To Pass	Passes
Solubility	To Pass	Passes
Color (Color, Pt-Co)	To Pass (10 max)	Passes (2)
Identification (A) - IR	To Pass	Passes
Identification (B) - Limit of EG and DEG		
Diethylene Glycol, wt. %	0.10 max	Less than 0.10
Ethylene Glycol, wt. %	0.10 max	Less than 0.10
Identification (C) - Confirmation of Glycerin by GC	To Pass	Passes
Related Compounds	To Pass	Passes
Total Impurities, wt. %	1.0 max	Less than 1.0
Individual Impurities, wt. %	0.10 max	Less than 0.10
Specific Gravity @25/25°C	1.2612 min	1.2616
Residue on Ignition	5.0 mg/50 gm max	0.8
Residue on Ignition, wt%	0.01 max	0.002
Sulfuric Acid Heat Test, APHA	80 max	20
Water, wt. %	0.3 max	0.04
Chloride, ppm	< 10	Passes
Sulfate, ppm	< 20	Passes
Heavy Metals	< 5 µg/g (ppm)	Passes
Chlorinated Compounds, ppm	< 30	Passes
Assay, Anhydrous Basis, wt. %	99.0 - 101.0	99.9
Fatty Acids and Esters (mL of 0.5 N NaOH)	< 1 mL	Passes
Residual Solvents	Compliant Report	Compliant
Fatty Acids and Esters, wt. %	Report	0.002
Appearance	Clear and free of suspended matter	Passes
Odor	Characteristic	Passes

*Product tested per customer in reference to USP 40th Edition Monograph for Glycerin *

Christopher LaGrassa
Christopher LaGrassa
Laboratory Associate

Laboratory Service Inc., Main Office and Lab: 85 Lafayette Street, Carteret, NJ 07008 (732) 541-5151
Port of Houston Lab: 11731 Port Road, Baybrook, TX 77586 (281) 474-1300
Port of Savannah Lab: 1084 West Lathrop, Savannah, GA 31415 (912) 234-4488

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

BRENNTAG MID-SOUTH, INC
 1405 Highway 136 West
 Henderson, Kentucky 42420-0020
 Tel. (270) 830-1222 • Fax (270) 826-1486

CERTIFICATE OF ANALYSIS

ACETIC ACID GLACIAL
FOOD GRADE KOSHER

CUSTOMER: 3M	LOT NUMBER: 256119248071001
3M ID: 11-0000-0280-5	DATE ANALYZED: 3-12-18

PARAMETERS	ANALYSIS	SPECIFICATIONS
Identification	Pass	1:3 Aqueous solution gives positive tests for acetate.
Color (APHA)*	≤ 10	10 max.*
Assay by wt of C ₂ H ₄ O ₂ *	99.9	99.5% min.
Non-Volatile Residue*	0.001	0.005% max.*
Lead*	0.0	0.5 ppm max.*
Readily Oxidizable Substances*	Pass	Passes Test*
Solidification Point*	16.6	16.35°C min.*
Water Content, %*	≤ 0.15	0.17% max.
Formic Acid Content, %*	≤ 0.10	0.10% max.
Specific Gravity @ 20°C	1.052	1.048 – 1.055

* Values either reported or guaranteed by Vender.

INCOMING PRODUCT INFORMATION (VENDER AND CARRIER)	
VENDOR: Sekisui	CARRIER: Brenntag
VENDOR LOT NUMBER: 50000031124	VEHICLE NUMBER: 24950

Analyst: N. Dorris	Approved: <i>Brian Conrad</i> 30
---------------------------	---

cc: With Shipment
Lab File

Direct questions concerning certification of this product to personnel at the location marked below.

Henderson, KY 270-830-1258

Form Approval: *Greg Blenker*
 Form Approval Date: 4/9/18

C:\WORD\COA\3M\ACETIC GLACIAL FG KOSHER 3M

"All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale."

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

BRENTAG MID-SOUTH, INC.
 1405 Highway 136 West
 Henderson, Kentucky 42420-0020
 Tel. (270) 830-1200 • Fax (270) 826-1486

CERTIFICATE OF ANALYSIS

Nitric Acid 42° Baume

CUSTOMER:	LOT NUMBER: 852581088121
	DATE ANALYZED: 05/08/18
	DATE SHIPPED:

PARAMETERS	ANALYSIS	SPECIFICATIONS
Concentration, % by Wt.	67.37	66 – 68%

Analyst: Shawna Stuarte	Approved: Shawna Stuarte
--------------------------------	---------------------------------

cc: With Shipment
 Laboratory File

Direct questions concerning certification of this product to personnel at the location marked below.

- | | |
|---|--|
| <input type="checkbox"/> Chattanooga, TN ----- 423-821-1535 | <input type="checkbox"/> Orlando, FL ----- 407-857-9310 |
| <input type="checkbox"/> Henderson, KY ----- 270-830-1258 | <input type="checkbox"/> Indianapolis, IN ----- 317-898-8632 |
| <input type="checkbox"/> St. Louis, MO ----- 314-832-5010 | |

Form Approval: James Clements
 Form Approval Date: 8/20/12

C:\RD1\WORD\COA\Nitric Acid 42 Deg.DOC

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.



ICL Performance
Products LP

ICL PERFORMANCE PRODUCTS LP
CUSTOMER SERVICE CENTER
622 EMERSON RD., SUITE 500
CREVE COEUR, MO. 63141-6742

Certificate of Analysis

347327

129678

Shipped to:
BRENNTAG MIDSOUTH INC
126 CHOUTEAU AVENUE
SAINT LOUIS MO 63102

Seller Order # : 1383575
Customer Sales Order #: 765046
Container ID : 6806

Ship Date: Jan-23-18

Certificate Date: Jan-23-18

Our Product: Phosphoric Acid 85%, Solution, Code 858, Food Grade, Bulk-Cool
Customer Product: 347327

Certified to NSF/ANSI Standard 60 by NSF International Max use 12 mg/l
FCC Grade - Complies with the current specifications of the Food Chemical Codex

PROPERTY INSPECTION METHOD	SPECIFICATION	LOT/MFG.DT/BEST BEFORE DT 2210744857 Jan-22-18 Jan-21-21
Appearance APHA Color, Guaranteed Odor Equivalent Assay, % Equivalent P2O5, % Specific Gravity @ 25/15.5C Arsenic, ppm, Guaranteed Cadmium, ppm Guar. Fluoride, ppm, Guaranteed Lead, ppm, Guaranteed	Pass < = 20 Odorless 85.0 % Min 61.5 % Min 1.6860 Min < = 3 PPM < = 3 PPM < = 10 PPM < = 3 PPM	Pass < = 20 Odorless 85.2 61.7 1.6888 < = 3 PPM < = 3 PPM < = 10 PPM < = 3 PPM

Guaranteed analysis checked at intervals according to plant schedule.

Note: Equivalent Units of Measure: mg/kg = ppm; µg/kg = ppb

FOR CUSTOMER SERVICE PLEASE CALL: (800) 244-6169

Authorized By:

CARONDELET PLANT, 8201 IDAHO AVE., SAINT LOUIS, MO, 63111

Alvin J. Faudstogge

BRENNTAG LOT

89747566803004

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

REMAINING BALANCE FROM TANK 350 WAS TRANSFERRED INTO TANK 311 ON 5/14/2018



LABORATORY SERVICE INC.
 QUALITY SYSTEM
 CERTIFIED BY DNV GL
 - ISO 9001 -
LABORATORY SERVICE INC.

Wilmar Oleo North America LLC
 11200 Broadway
 Suite 233B
 Pearland, Texas 77584

CERTIFICATE OF ANALYSIS

Product: GLYCERIN 99.7%, USP
 Trade Name: WILFARIN™ USP-997
 Vessel/Voyage: "Ginga Lynx" Voyage # 1801
 Terminal/Location: Hudson Tank, Port Newark, NJ
 Sample Drawn From: Shore Tank 350
 Date: April 18, 2018
 Lot Number: 350-18-108
 Date of Manufacture: March 8, 2018
 LSI WO Number: CM180149-24

Lot#
20149018137001

TEST	SPECIFICATION	RESULT
Description	To Pass	Passes
Solubility	To Pass	Passes
Color (Color, Pt-Co)	To Pass (10 max)	Passes (2)
Identification (A) - IR	To Pass	Passes
Identification (B) - Limit of EG and DEG		
Diethylene Glycol, wt. %	0.10 max	Less than 0.10
Ethylene Glycol, wt. %	0.10 max	Less than 0.10
Identification (C) - Confirmation of Glycerin by GC	To Pass	Passes
Related Compounds	To Pass	Passes
Total Impurities, wt. %	1.0 max	Less than 1.0
Individual Impurities, wt. %	0.10 max	Less than 0.10
Specific Gravity @25/25°C	1.2612 min	1.2616
Residue on Ignition	5.0 mg/50 gm max	0.8
Residue on Ignition, wt%	0.01 max	0.002
Sulfuric Acid Heat Test, APHA	80 max	20
Water, wt. %	0.3 max	0.04
Chloride, ppm	< 10	Passes
Sulfate, ppm	< 20	Passes
Heavy Metals	< 5 µg/g (ppm)	Passes
Chlorinated Compounds, ppm	< 30	Passes
Assay, Anhydrous Basis, wt. %	99.0 - 101.0	99.9
Fatty Acids and Esters (ml. of 0.5 N NaOH)	< 1 mL	Passes
Residual Solvents	Compliant Report	Compliant 0.002
Fatty Acids and Esters, wt. %	Clear and free of suspended matter	Passes
Appearance	Characteristic	Passes
Odor		Passes

"Product tested per customer in reference to USP 40th Edition Monograph for Glycerin."

Christopher LeCrosse
 Christopher LeCrosse
 Laboratory Associate

Laboratory Service Inc., Main Office and Lab: 86 Lafayette Street, Carteret, NJ 07008 (732) 641-8151
 Port of Houston Lab: 11731 Port Road, Seabrook, TX 77586 (281) 474-1300
 Port of Savannah Lab: 1064 West Lathrop, Savannah, GA 31415 (912) 234-4488

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.



Quality Certificate

918458
V157043

BRENNTAG MID SOUTH INC
395 SWANCOTT ROAD
MADISON AL 35758
USA

Ship Date 05/14/2018
PO No. 768450
* Order No. 1310844-000010
Customer number 37630
Plant: Lake Charles South

Delivery Item. 82045382-900001
Shipment 20327644
Net Wt 42,000.000 LB

Customer Contact:
Vessel Id: 689294

Material: 80006337 CAU SODA PELS 50 LB BAG

* Batch: LCE0518 Package Qty: 840 BAG

Property	Unit	Value	Lower Limit	Upper Limit	Method
Fe	ppm	1.4		15.0	ICP
Hg	ppb	0.0		100.0	NP 04 18
Na2CO3	%wt	0.52		1.60	CD-27-1
Na2O	%wt	77.14	74.40		CD-27-1
NaCl	%wt	0.01		2.20	CD-18-9B
NaOH	%	99.18	96.00		CD-27-1
Ni	ppm	1.8		9.0	ICP
Thru 16 Mesh	%wt	99.2	90.0		NP-05-14
Thru 60 Mesh	%wt	0		2	NP-05-14

Material Sales Text

Seal No: 2161

NSF/ANSI Drinking Water Treatment Chemicals-This product is certified to NSF/ANSI Standard 60, Drinking Water Treatment Chemicals.
Health Effects. The maximum use level for potable water is 100 mg/L.



The test results herein are believed to be accurate but are laboratory tests based on limited sampling which do not necessarily simulate actual use conditions. The shipped goods are delivered in their present condition as is without warranty. NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES OF ANY KIND ARE MADE, AND WESTLAKE SPECIFICALLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE. Westlake shall not be liable for any use or handling of any material beyond Westlake's direct control.

Date : 05/14/2018
Time : 11:17:39

Required Signature

Terri Angelini

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.