

UNIVAR DALLAS

(Customer or Consignee)

(Dept., if applicable)

(Attention)

10889 BEKAY ST

(Delivery Address)

DALLAS, TX 75238-5302, 5302

(City, State, Zip)

20,412 TNE

(Approximate weight Lb. KG MT

GCAS No. (9): 99961034013

P&G Material Code: 10275331

P&G Invoice No. 2063184898

Customer P.O. No. 4527106548

Customer Code

Vessel No.

FP702

(Method of Ship.)

P&G Lot No.

S0003324210

Shipment Date 8-26-24

Seal SEE ATTACHED

Country of Origin USA

Manufacture Date: 2024-08-07

| Test | GCAS # | Result | Specification Limits |
|---|----------|-----------|---|
| Identification A by IR: Glycerin | 60065177 | PASS | PASS - as Glycerin |
| Identification B by GC: Limit of DEG & EG | 98955124 | PASS | PASS: USL: 0.10% each of DEG and EG |
| Identification C by GC: Glycerin | 98955124 | PASS | PASS - as Glycerin |
| Residual Solvents | USP 467 | Compliant | Meel Requirement |
| Specific Gravity | 64012970 | 1.2615 | USL: 1.2613 @ 23°C/75°C |
| Color (APHA) | 60064681 | 1 | USL: 10 |
| Residue on Ignition, % | 60064682 | 0.000 | USL: 0.007% |
| Chlorides | 60065128 | PASS | PASS: USL: 10 ppm |
| Sulfate | 60065271 | PASS | PASS |
| Heavy Metals (as Lead) | 60065131 | PASS | PASS: USL: 20 ppm |
| Chlorinated Compounds | 60065174 | PASS | PASS: USL: 1 ppm |
| % Glycerin (calc. from Specific Gravity) | 60065420 | PASS | PASS: USL: 0.003% or 30 ppm of Cl |
| Fatty Acids and Esters (USP/FCC) | 64012970 | 99.8 | USL: 99.7% |
| Assay anhydrous, % (USP) | 60065134 | 0.1 | USL: 0.3 mL of 0.5N NaOH |
| Assay, % (FCC) | 60065183 | 100.5 | USL: 99.0%; USL: 101.0% |
| Water | 60065135 | 100.3 | USL: 99.0%; USL: 101.0% |
| Related Compounds | 60065103 | 0.2 | USL: 0.3% |
| Flavor | 60065270 | PASS | PASS: (USL 0.1% Individual Impurity; USL 1.0% for total impurities) |
| Appearance | 60044625 | PASS | PASS |
| Readily Carbonizable Substances | 95119738 | PASS | PASS: (Clear colorless viscous liquid, free of foreign material) |

| | | | |
|---|-------------------|----------|------------|
| Signature | <i>Kathy Coil</i> | Name | KATHY COIL |
| Date | 8/23/2024 | Position | CSR |
| Manufacturing Location: Procter & Gamble, Cincinnati Plant, 5201 Spring Grove Avenue, Cincinnati Ohio 45217 | | | |

501002
G7500

| Analyse Description | Test Method | UoM | Specification | | Results |
|----------------------------|--------------|-----|---|------|---------|
| | | | Min. | Max. | |
| VISUAL | LAB-UNS-101 | - | Clear/Clean Free Of Suspended Particles | | Pass |
| WATER CONTENT | 0083-LAB-004 | % | - | 1.0 | 0.1 |
| SPECIFIC GRAVITY AT 25°C | 0083-LAB-001 | - | 1.2490 | - | 1.2613 |
| IDENTIFICATION A IR | 0083-LAB-011 | - | Identified As Glycerin | | Pass |
| IDENTIFICATION B LIMIT DEG | 0083-LAB-005 | % | - | 0.1 | < 0.1 |
| IDENTIFICATION B LIMIT EG | 0083-LAB-005 | % | - | 0.1 | < 0.1 |
| IDENTIFICATION C GC | 0083-LAB-005 | - | Retention is equal for sample standard | | Pass |

Identity of Authorized Individual for Approval,

Denetria Hall

Signature

Denetria Hall

Print Name

Laboratory Technician

Job Title

| |
|-----------------------|
| C O F A |
| REVIEWED BY <u>ew</u> |
| DATE <u>8-29-24</u> |

Note:

GMP compliance: This batch of product has been handled under cGMP conditions using dedicated equipment.
Compendial Standards: This batch of product complies with the current requirements listed in the United States Pharmacopoeia (USP). This batch of product complies with the current requirements listed in the Food Chemical Codex (FCC).

Other Certification Statements: This batch of product is Kosher Certified.

Please consult the SDS for further information. Univer Solutions represents only that the Product shall meet the specifications herein. All transactions involving this Product are subject to Univer Solutions' standard Terms and Conditions, available at www.universolutions.com or upon request. Univer Solutions makes no additional representations or warranties, express or implied, as to the Product. COA-UNS-801
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residual solvents.

DEG-EG:

The Identification B limit test is performed on all lots of USP Glycerin supplied by P&G Chemicals, and results confirm there are no detectable levels of DEG (Diethylene Glycol) or EG (Ethylene Glycol) in our products.

GMP/IPC:

Procter & Gamble's USP/FCC glycerin brands are for excipient use only and manufactured in accordance with IPCC Good Manufacturing Practices Guide for Bulk Pharmaceutical Excipients and FCC GMP's for food chemicals.

BSE/TSE (Bovine Spongiform Encephalopathy and Transmissible Spongiform Encephalopathy) Statement:
BSE/TSE are not applicable for this product as it is derived from plant oils only.

Shelf Life of Glycerin

In a controlled study, Procter & Gamble stored glycerin in sealed containers in a controlled environment at 25° C for 24 months. The glycerin was analyzed periodically and at the end of the storage study all intermediate and final samples maintained adherence to USP limits and odor/flavor requirements. This validated P&G's prior experience, which was that glycerin is stable under normal storage conditions (ambient temperature 25° C) for at least two years. No specific data has been collected for the shelf-life of opened containers of glycerin; it is hygroscopic and it can be expected that moisture content would increase upon extended exposure to air. A normal recommended storage temperature is ambient, not to exceed 125 °F (approximately 52 °C). To avoid possible color degradation, the optimal storage conditions would be as near to 25° C as possible. The optimal temperature for pumping 96-100% glycerin is 100-125 °F (approximately 38 -52° C).

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| <p>C O F A</p> <p>REVIEWED BY <u> DJA </u></p> <p>DATE <u> 8-28-24 </u></p> |
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