

TILLEY LOT# MOD1221004



5299 Spring Grove Ave.; Cincinnati, OH 45217 USA

Questions? Call Customer Service: 800-477-8899

STAR KPO KOSHER GLYCERINFor excipient use only. Made from USP glycerin and purified water.**CERTIFICATE of ANALYSIS**
TILLEY CHEMICAL CO
 (Customer or Consignee)

 (Dept., if applicable)
QUALITY CONTROL MANAGER

 (Attention)
501 CHESAPEAKE PK PL

 (Delivery Address)
BALTIMORE, MD 21220-4287

 (City, State, Zip)
22 MT

 (Approximate weight Lb. KG MT

GCAS No. (s): 95711091.009

P&G Material Code: 10245073

Manufacture Date: 09/20/22

P&G Invoice No. 2059186979Customer P.O. No. 122700

Customer Code _____

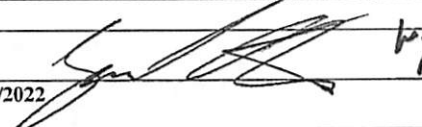
Vessel No. _____
(Method TC, TT, Ship, Iso)P&G Lot No. PN00B322263

Shipment Date _____

Seals _____

Country of Origin USA

Test	GCAS #	Result	Specification Limits
Identification A by IR: Glycerin	60065177	Pass	PASS – as glycerin
Identification B by GC: Limit of DEG &	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	Meet Requirement
Specific Gravity	64012970	1.2527	LSL 1.2517 USL 1.2531 @ 25°C/25°C
Color (APHA)	60064681	2	USL 10
Residue on Ignition, %	60064682	0.00	USL 0.01%
Chlorides	60065128	Pass	PASS: USL: 10 ppm
Odor	60065271	Pass	PASS
Flavor	60065270	Pass	PASS
Sulfate	60065131	Pass	PASS: USL: 20 ppm
Heavy Metals	60065174	Pass	PASS: USL 1 ppm
Chlorinated Compounds	60065420	Pass	PASS: USL: 0.003% or 30 ppm of Cl
% Glycerin (calc. from Specific Gravity)	64012970	96.4	LSL 96.0 % USL 96.5%
Fatty Acids and Esters, USP	60065134	0.1	USL 0.3 mL of 0.5N NaOH
Assay, USP, anhydrous	60065183	99.7	99.0-101.0 % on an anhydrous basis
Water	60065412	3.7	USL 4.0%
Related Compounds	95076103	Pass	PASS: (USL 0.1% individual impurity; USL: 1.0% for total impurities)
Readily Carbonizable Substances	95119738	Pass	PASS

Signature:  ¹⁰⁵ Date: 10/03/2022	Name: Giordano Ottoni
	Position: QC Laboratory Analyst
Glycerin Refining Location: Procter & Gamble, Cincinnati Plant, 5201 Spring Grove Avenue, Cincinnati Ohio 45217 STAR Blending Location: Peter Cremer North America, 3117 Southside Ave, Cincinnati, OH 45204	

This analysis is not to be construed as a warranty. Customer is responsible to verify the lot and code numbers of product received with the numbers contained on this report and perform any other analyses necessary to determine suitability of the product described above for the use intended by the customer. No representations as to FDA regulated use are made for this product unless it is designated as meeting either USP, NF, Cosmetic grade or Food Grade Status. The foregoing statements are valid up to, but not beyond, delivery to our primary customer. Any subsequent handling, repackaging, storage, processing, etc. render these claims void and unsubstantiated by Procter & Gamble Chemicals.

Certifications and Compliance Statements Section

GMO:

This ingredient is considered NOT genetically modified or NOT derived from a genetically modified organism as defined by EU Directive 1830/2003/EC on labeling and traceability and 1829/2003/EC on genetically modified food and feed and any amending legislation.

Purified Water:

Star KPO Glycerin is made with purified water that meets the USP Monograph for purified water.

Residual Solvents:

Procter & Gamble's USP/FCC Glycerin products are for excipient use only and do not contain residual solvents of class 1, 2 or 3 that would meet the criteria for those classifications described in General Chapter <467> of the USP. Residual Solvents are not used or produced in the manufacture of our Glycerin USP products, and we do not expect these solvents to be present in the refined glycerin. We have evaluated our in-process and finished product and found no detectable levels of residual solvents.

GMP/IPEC:

Procter & Gamble's USP/FCC glycerin brands or brands made with USP/FCC grade glycerin are for excipient use only and manufactured in accordance with IPEC 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 a concern with this product as it is derived from plant oils only.