



甘油 (3-羟基丙醇)
2019-7

CERTIFICATE OF ANALYSIS

分析证书

PRODUCT NAME: Superol K Glycerin, USP/ FCC

产品名称: Superol K 甘油, USP/ FCC

For food additive (not directly edible) 食品添加剂 (不可直接食用)

FC GCAS No./FC GCAS编号 : 95897935.011
 Material Code/材料代码 : 10275607
 IRMS No./IRMS 编号 : 10045672
 Order No./订单号 : CN-A18-449
 Manufacturing Date/生产日期 : May 27, 2019
 Analysis Date/分析日期 : May 28, 2019
 Lot No./批号 : 9147038811

Shelf Life/有效期 : 2 years for unopened package at ambient temperature conditions. *未开封包装室温条件下 2 年。*

Shelf life of this material in an unopened package is valid starting from the date of production. Shelf life of a material is dependent on various conditions including storage, handling, distribution and transportation. The shelf life of up to 2 years is expected for unopened packaged glycerin that is stored under secure and normal temperature without any tampering, or changes to the recommended storage condition.

本材料在未开封包装中的保质期自生产日期起生效。材料的保质期取决于各种条件，包括储存、搬运、配装和运输。未开封包装的甘油有长达 2 年的保质期，但甘油应在安全和正常温度下储存，且应避免建议的储存条件受到任何影响或发生变化。

Glycerin is commonly used in foods & beverages applications and serves as a humectant, solvent and sweetener.**

*USP monograph for excipient use. ** Based on technical suitability only. Appropriate use of product is the responsibility of the purchasers.用量和方法将由特定客户定义。

使用范围：甘油通常用于食品和饮料，用作湿润剂、溶剂和甜味剂。*

* USP 专著规定用作赋形剂 ** 仅以技术适用性为基础，产品的适当使用是购买者的责任。

SHIPMENT QUALITY REPORT/发运质量报告

PARAMETER/参数	METHODS/方法	VALUE/值	LIMITS/限值
Identification A by IR: Glycerin /标识A - 按IR: 甘油	60065177	PASS	PASS - as glycerin /通过 - 甘油
Identification B by GC: Limit of DEG & EG /标识 B - 按GC: DEG & EG 限值	98955124	PASS	PASS - Not more than 0.10% each of DEG and EG / 通过 - DEG和EG均不超过0.10%
Identification C by GC: Glycerin /标识C -按GC:甘油	98955124	PASS	PASS - as glycerin /通过 - 甘油
Residual Solvent/ 残留溶剂	USP467	PASS	Meets Requirement /符合要求
Fatty Acids and Esters (USP) / 脂肪酸和脂肪酯 (USP)	60065134	0.1	USL: 0.3 ml of 0.5N NaOH
Fatty Acids and Esters (FCC) /脂肪酸和脂肪酯(FCC)	60065134	5	LSL: 4 ml of 0.5N HCl
Specific Gravity /比重	64012970	1.2615	LSL: 1.2613 @ 25 / 25°C
% Glycerin (calculated from Specific Gravity) / 甘油%(利用比重计算)	64012970	99.8	LSL: 99.7%
Odor /气味	60065271	PASS	PASS /通过
Flavor /味道	60065270	PASS	PASS /通过
APHA Color / APHA 颜色	60064681	2	USL: 10
Color USP FCC / 颜色USP FCC	97019504	PASS	PASS /通过
Residue On Ignition /炽灼残渣	60064682	0.002	USL: 0.007 %
Water /水分	60065135	0.0	USL: 0.3 %
Appearance (Visual Examination) /外观(目测)	60044625	PASS	PASS - Clear liquid, free of extraneous matter / 通过 - 澄清液体, 无异物
Chloride /氯化物	60065128	PASS	PASS (USL: 10ppm) /通过 (USL: 10ppm)
Sulfate /硫酸盐	60065131	PASS	PASS (USL: 20ppm)/通过 (USL: 20ppm)
Heavy Metals (Including Lead (Pb) (mg/kg)) /重金属 (包括铅(Pb)(mg/kg))	60065174	PASS	PASS (USL: 1 ppm) /通过 (USL: 1 ppm)
Chlorinated Compounds /氯化化合物	60065420	PASS	PASS (USL: 30ppm USP, USL: 0.003% FCC) /通过 (USL: 30ppm USP, USL: 0.003% FCC)

Effective Date: 07 Aug 2018
Revision no.: 19

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Assay, USP, Anhydrous /含量, 美国药典级·干基	60065183	99.6	LSL: 99.0% - USL: 101.0%
Assay, %, (FCC) /含量%, (FCC)	60065183	99.6	LSL: 99.0% - USL: 101.0%
Related Compounds /相关化合物	95076103	PASS	PASS (USL: 0.1% individual impurity; USL: 1.0% for total impurities) /通过 (USL: 0.1% 个别杂质; USL: 1.0% 总杂质)
Readily Carbonizable Substances /易碳化物质	95119738	PASS	PASS /通过
Sulphated Ash, % /硫酸化灰分, %	95395280	0.00	USL: 0.01%
ANALYZED BY/分析员:-		CERTIFIED BY COA APPROVER/认证员:-	
NAME/姓名 : EMILLIA LAU		SIGNATURE/签名: NORAZLINAWATI	
(Analytical Associate/助理分析员)		DATE/日期 : May 31, 2019	

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 expressly designated as meeting either USP, NF, Cosmetic grade or Food Grade Status. The foregoing analysis report is valid up to, but not beyond, the date of delivery to our primary customer referenced above. Any subsequent handling, repackaging, storage, processing, transporting etc. of the product render this these analysis report void, unsupported and unsubstantiated by Procter & Gamble Chemicals.

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USL = Upper Specification Limit/规格上限

PASS = Within/通过=规格限值以内

LSL = Lower Specification Limit/规格下限

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