



Certificate of Analysis

Product Name	Vegetable Glycerine		
INCI Name:	GLYCERIN		
CAS	56-81-5		
MF	C3H8O3		
EINECS	200-289-5		
Batch Number	20260605	Manufacture Date	20260605
Report Date	20260605		

Items Tested	Specifications	Results	Test Method
Physical and Chemical Analysis			
Glycerine Content	99.7 %Min	99.8%	AOCS Ea 7-95
Specific Gravity@25/25°C	1.2598 Min	1.2616	USP43-NF38
Color APHA	10 Max	<10	AMT-FGQ-G10
Identification Test A1	Pass	Pass	USP43-NF38
Identification Test B1			
-Diethylene Glycol	0.10 %Max	<0.10%	USP43-NF38
-Ethylene Glycol	0.10 %Max	<0.10%	USP43-NF38
Identification Test C1	Pass	Pass	USP43-NF38
Residue on ignition	0.01 %Max	<0.01%	USP43-NF38
Moisture	0.3 %Max	0.05%	USP43-NF38
Chloride	10 ppmMax	<10ppm	USP43-NF38
Sulfate	20 ppmMax	<20ppm	USP43-NF38
Heavy Metals	5 ppm Max	<5ppm	USP 39
Limit of Chlorinated Compounds	30 ppmMax	<30 ppm	USP43-NF38
Fatty Acids & Esters	1.0 Max	0.32	USP43-NF38
Related Compounds (Individual Impurity)1	0.1 %Max	<0.1%	USP43-NF38
Related Compounds (Total Impurities)1	1.0 %Max	<1.0%	USP43-NF38
Assay	99.0%-101.0%	99.9%	USP43-NF38
Physical Characteristics			
Loss on Drying	≤ 5.00%	3.64%	USP <731> / Ph.Eur. 2.2.32
Total ash	≤ 5.00%	2.84%	USP<561>
Heavy Metals (ICP-MS)			
Lead (Pb)	≤ 10 ppm	<0.5 ppm	ICP-MS
Arsenic (As)	≤ 2 ppm	<0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 1 ppm	<0.1 ppm	ICP-MS
Mercury (Hg)	≤ 1 ppm	<0.05 ppm	ICP-MS
Microbial Limits			
Total Aerobic Microbial Count	≤ 1000 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
Total Yeast and Mold Count	≤ 100 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
E. coli	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13
Salmonella spp.	Absent in 10g	Absent	USP <62> / Ph. Eur. 2.6.13
Pseudomonas aeruginosa	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13

Quality Statement: This product is manufactured under a quality system compliant with cGMP principles for both food and cosmetic applications. Specifications and test methods are established with reference to the relevant ISO Standards, Chinese National Standards (GB), United States Pharmacopeia (USP), and European Pharmacopoeia (Ph. Eur.).

For cosmetic use, the batch fully complies with the requirements of EU Cosmetic Regulation (EC) No 1223/2009, China's Safety Technical Standards for Cosmetics (2015 Edition), and U.S. FDA cosmetic GMP guidelines. For food use, the batch meets the applicable requirements of China's national food safety standards (including GB 2762, GB 2763, GB 7101) and the U.S. FDA Food Safety Modernization Act (FSMA) and applicable food additive regulations.

Storage: Store in tight, light-resistant containers. Avoid exposure to direct sunlight, moisture, and excessive heat.



Shelf Life: 24 months if stored under the above conditions and remains in original packaging.