

Name Of Document	FG Specification – Amilife® Refined Vegetable Glycerine			Doc No	AAPPL/SPEC/NPD/FG/RVG/02
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Amilife® Refined Vegetable Glycerine

PRODUCT APPLICATION | FUNCTION

Amilife® Refined Vegetable Glycerine is derived from 100% vegetable-based oils through a meticulous refining process. This high-purity glycerine is clear, colorless, and odorless, making it suitable for a wide range of applications in the food, pharmaceutical, and cosmetic industries.

With a glycerol content of at least 99.5%, it is a natural, versatile, and stable humectant that offers excellent moisture retention and emollient properties. Amilife Refined Vegetable Glycerine is a safe, non-toxic, and eco-friendly alternative to synthetic humectants, aligning with the growing demand for sustainable and green ingredients.

Description	CAS Numbers
Vegetable Glycerine	56-81-5

PHYSICOCHEMICAL PARAMETERS

PARAMETERS	LIMIT	METHOD
Glycerine Content (%wt)	Min 99.5	AOCS Ea 6-94
Density (@20°C)	1.260-1.263	ASTM D 4052
Refractive Index (@20°C)	1.470-1.475	AOCS Cc 7-25
Water Content (%wt)	Max 0.5	AOCS Ca 2e-84
Sulphated Ash (%wt)	Max 0.01	AOCS Ca 7a-38
Ester Index (ml 0.1N HCl/25g)	Min 8	AOCS Ca 6a-40
Chlorides (ppm)	Max 10	AOCS Ba 9-58
Total Heavy Metals (ppm as Pb)	Max 5	AOAC 999.10
Halogenated Compounds (ppm Cl)	Max 35	AOCS Cd 18-90
Acidity/Alkalinity (ml 0.1NaOH/25g)	Max 0.2	AOCS Cd 3d-63
Aldehyde (ppm)	Max 10	AOCS Cd 19-90
Color Index (APHA)	Max 5	ASTM D1209
Sugars	Negative	AOCS Cc 13d-55
Identification (A&B)	Pass	AOCS Official Methods

PARAMETERS	LIMIT	METHOD
Total Plate Count	Max.1000(CFU/g)	ISO 4833-1:2013
Yeast & Mold	Max. 100 Cfu/g	ISO 21527-1:2008
E.Coli	Absent (cfu/10g)	ISO 16649-2:2001
Salmonella	Absent (cfu/25g)	ISO 6579-1:2017

PACAKAGING & LABELLING

PARAMETERS	LIMIT
Labelling Declaration	As per Food Safety & Standards (Packaging and Labeling)Regulations and Legal Metrological
Net Weight	20 kg, 50 kg, 200 kg
Shelf Life	Best Before 24 Months from date of Mfg
Packaging	Food-grade HDPE containers with tamper-evident seals Secondary Packing: Corrugated cardboard boxes
Storage Temperature	Stored at Cool Dry place at 16 ⁰ -32 ⁰ C
Storage And Transportation Condition	To be stored and transported in hygiene, Dry and Ambient Conditions and Keep away from strong odor or volatile materials and moisture
Intended Use	For pharmaceutical, food-grade, and cosmeic-grade applications. Suitable for use as a humectant, solvent, or emollient in a variety of formulations.
Country Of Origin	India
Application	<ul style="list-style-type: none"> • It acts as a natural humectant, retaining moisture in variousformulations. • It provides skin hydration and anti-aging benefits in personal care products. • It supports weight management when used in dietary applications. • It can aid in managing blood sugar levels and improving cardiovascular health. • It serves as a versatile solvent for pharmaceuti-cals, cosmetics, and food products
Safety Precautions	Safe for intended use. Avoid ingestion or direct contact with eyes in itsraw state. Follow personal protec-tive equipment protocols where applicable.