Fisher Scientific L.L.C. US
755 US Highway
Route 202, Bridgewater,
NJ 08807, United States of America

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global
Certificate Number. CERT-0120633

Catalogue Number	G33
Lot Number	260619
Description	GLYCEROL, A.C.S.
CAS Number	56-81-5
Quality Test/Release Date	01/Apr/2026
Suggested retest date	31/Mar/2031
Country of Origin	United States
Declaration of Origin	Organic - Plant
BSE/TSE	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ACROLEIN, GLUCOSE, NH4	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 99.5	99.9
CHLORINE COMPOUNDS	%	<= 0.003	0.003
COLOR	APHA	<= 10	5
FATTY ACID ESTERS	%	<= 0.05	<0.05
HEAVY METALS (as Pb)	ppm	<= 2	1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.005	<0.005
NEUTRALITY	PASS/FAIL	= PASS TEST	PASS TEST
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	%	<= 0.001	<0.001
WATER (H2O)	%	<= 0.5	0.1

Additional Information Glycerin does not contain potential allergens, including peanuts, milk, egg, wheat, gluten, or soybean. In addition, it does not contain phthalates or Bis-Phenol A. The glycerin is solely sourced from vegetable oils, which can include oil from GMO oilseeds. However, GMO genetic materials are not expected to be present in the refined glycerin made from the highly refined oils.

Ash Frey
Supervisor, Quality Control

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

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