

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	E139
Lot Number	253423
Description	PETROLEUM ETHER, A.C.S.
CAS Number	8032-32-4
Quality Test/Release Date	10/Oct/2025
Suggested retest date	09/Oct/2030
Country of Origin	United States
Declaration of Origin	Organic - non animal
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
ACIDITY	PASS/FAIL	= PASS TEST	PASS TEST
BOILING RANGE (35 - 60 DEG C)	PASS/FAIL	= PASS TEST	PASS TEST
BOILING TEMP (BEGINNING)	DEGREES CELSIUS	Inclusive Between 35 - 39	36
BOILING TEMP (ENDPOINT)	DEGREES CELSIUS	Inclusive Between 52 - 60	53
COLOR	APHA	<= 10	<5
COPPER STRIP CORROSION	PASS/FAIL	= PASS TEST	PASS TEST
DISTILLATION RESIDUE	PASS/FAIL	= PASS TEST	PASS TEST
DOCTOR TEST	SWEET/FAIL	= PASS TEST	PASS TEST
EVAPORATION RESIDUE	%	<= 0.001	<0.001
FRACTION DISTILLS < 40 C	%	<= 60	50
FRACTION DISTILLS < 54 C	%	>= 95	95
HEAVY OILS & FATS	PASS/FAIL	= PASS TEST	PASS TEST
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
SAPONIFICATION VALUE	MG KOH/GRAM	<= 0.015	0.009
SPECIFIC GRAVITY @ 15.5 DEG C		Inclusive Between 0.630 - 0.660	0.638
STEARIN EVAPORATION RESIDUE	GMS.	<= 0.003	<0.003
UNSATURATED COMPOUNDS	PASS/FAIL	= PASS TEST	PASS TEST



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.