

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	41029
Lot Number	A0478161
Description	Ethyl oleate,98%,mixture of homologueous fatty acid esters
CAS Number	111-62-6
Quality Test/Release Date	08/Dec/2025
Suggested retest date	08/Dec/2030
Country of Origin	INDIA
Declaration of Origin	plant
BSE/TSE	The product is extracted from palm

Result Name	Units	Specifications	Test Value
Appearance (Form)		Clear viscous liquid	Clear viscous liquid
Color scale	APHA	≤70	30
Infrared spectrum		Conforms	Conforms
Assay	%	≥97.5 (ester)	98.1 (ester)
Saponification value	mg KOH/g	177 to 188	182
Acid value	mg KOH/g	≤0.5	0.2
Water	%	≤1 (K.F.)	0.22 (K.F.)
GC	%	≥60 (oleic acid)	65 (oleic acid)
Density		(20°C) 0.869 to 0.874	(20°C) 0.87
Refractive index		1.4490 to 1.4530 (20°C, 589 nm)	1.4520 (20°C, 589 nm)
Stabilizer	ppm	80 to 120 BHA content	100 BHA content

Geert Torfs
Supervisor, QC

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 and development use only. 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.