Acros Organics BV (Thermo Fisher Scientific)
Janssen Pharmaceuticalaan 3a
Geel,
2440, Belgium

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	40416
Lot Number	A0481333
Description	Castor oil
CAS Number	8001-79-4
Quality Test/Release Date	16/Mar/2026
Suggested retest date	16/Mar/2028
Country of Origin	INDIA
Declaration of Origin	plant
BSE/TSE	source Ricinus Communis

Result Name	Units	Specifications	Test Value
Appearance (Color)		Clear colorless to yellow	Clear yellow
Appearance (Form)		Viscous liquid	Viscous liquid
Infrared spectrum		Conforms	Conforms
Refractive index		1.4770 to 1.4810 (20°C, 589 nm)	1.4791 (20°C, 589 nm)
Acid value	mg KOH/g	=<2	0.63
Hydroxyl value	mg KOH/g	>=150	165

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.