

## 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

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Catalogue Number	33414
Lot Number	A0473392
Description	Polysorbate 40
CAS Number	9005-66-7
Quality Test/Release Date	16/Jun/2025
Suggested retest date	16/Jun/2030
Country of Origin	INDIA
Declaration of Origin	plant

Result Name	Units	Specifications	Test Value
Appearance (Color)		Clear to hazy light yellow to dark yellow	hazy light yellow
Appearance (Form)		Viscous liquid or paste	Viscous liquid
Infrared spectrum		Conforms	Conforms
Acid value	mg KOH/g	=<3	0.2
Hydroxyl value	mg KOH/g	89 to 105	89.2
Saponification value	mg KOH/g	41 to 55	46

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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.