

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
Certificate Number. 951001163

Catalogue Number	038990
Lot Number	M30L708
Description	Diethyl ether, HPLC Grade, 99%, stab. with ethanol
CAS Number	60-29-7
Quality Test/Release Date	15/Apr/2025
Suggested retest date	15/Apr/2027
Country of Origin	Mexico
Declaration of Origin	Synthetic

Result Name	Units	Specifications	Test Value
Color (APHA)	APHA	≤10 =/-U.S. specification]	5
Assay (GC)	%	≥99% (excluding stabilizer)	99.92
Comment	ppb	Fluorescence at Emission maximum for impurities: ≤1ppb (as Quinine sulfate) =/-U.S. specification]	<1
Form		Liquid	Liquid
Impurity content	ppt	GC-ECD responsive residue, single peak as Heptachlor epoxide: <1 ≤10ppt =/-U.S. specification]	
Water Content (Karl Fischer Titration)	%	≤0.03% (300ppm)	0.02
Optical Absorbance at	AU	215nm: ≤1.00AU =/-U.S. specification]	0.17
Optical Absorbance at	AU	230nm: ≤0.30AU =/-U.S. specification] / ≥50% transmittance =/-non-U.S. specification]	0.13
Optical Absorbance at	AU	254nm: ≤0.08AU =/-U.S. specification]	0.03
Optical Absorbance at	AU	300nm: ≤0.002AU =/-U.S. specification]	<0.001
Peroxide content	ppm	≤5 ppm (0.0005%) at time of packaging	<1
Residue on Evaporation	ppm	≤5 ppm (0.0005%)	0.1
Stabilizer	%	Ethanol: 1.5 to 2.5% =/-U.S. specification] / ca. 1% v/v =/-non-U.S. specification]	1.9



Seth Christopher
Quality Manager

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.

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.

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.

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