

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	42801
Lot Number	A0473293
Description	tert-Butyl methyl ether,99.8%,for spectroscopy ACS,meets the requirements of Reag.Ph.Eur.
CAS Number	1634-04-4
Quality Test/Release Date	10/Jun/2025
Suggested retest date	10/Jun/2030
Country of Origin	ISRAEL
Declaration of Origin	synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Form)		Clear liquid	Clear liquid
Color scale	APHA	≤10	10
Infrared spectrum		Conforms	Conforms
GC	%	≥99.75	99.98
Density		(20/4°C) 0.740 to 0.742	(20/4°C) 0.741
Peroxides	ppm	≤1 (as H ₂ O ₂)	≤1 (as H ₂ O ₂)
Residue after evaporation	%	≤0.0003	0.0002
Water	%	≤0.05	0.009
UV		1 cm cell vs HPLC-grade water	1 cm cell vs HPLC-grade water
UV		at 210 nm A: ≤1.0	at 210 nm A:0.408
UV		at 225 nm A: ≤0.50	at 225 nm A:0.325
UV		at 240 nm A: ≤0.30	at 240 nm A:0.17
UV		at 250 nm A: ≤0.10	at 250 nm A:0.09
UV		at 255 nm A: ≤0.10	at 255 nm A:0.062
UV		at 280 nm A: ≤0.01	at 280 nm A:0.008
UV		at 300 nm A: ≤0.01	at 300 nm A:0.001
UV		at 350 nm A: ≤0.01	at 350 nm A:0.0001
UV		1 cm cell vs HPLC-grade water	1 cm cell vs HPLC-grade water
UV		1 cm cell vs HPLC-grade water	1 cm cell vs HPLC-grade water



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.