

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 J61016
Lot Number Q30L011
Description Tris(hydroxymethyl)aminomethane, Electrophoresis Grade, 99.5%
CAS Number 77-86-1
Quality Test/Release Date 30/Apr/2025
Suggested retest date 30/Apr/2028
Country of Origin China

Result Name	Units	Specifications	Test Value
Assay (Titration)	%	99.5% min.	100.0
DNase		None detected	None detected
Insoluble material	%	0.005% max.	<0.005
Protease activity		None detected	None detected
RNase		None detected	None detected
Trace Metals	ppm	Pb: 5ppm max.	<1
Trace Metals	ppm	Fe: 5ppm max.	<5
Trace Metals	ppm	Cu: 5ppm max.	<1
Trace Metals	ppm	As: 5ppm max.	<1

John Astarita

John Astarita
Director, Quality

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.