

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number 42457  
 Lot Number B0157807  
 Description TRIS (HYDROXYMETHYL) AMINOMETHANE, ALKALIMETRIC STD,ACS GRADE  
 CAS Number 77-86-1  
 Quality Test/Release Date 04/Feb/2026  
 Suggested retest date 16/Oct/2028  
 Country of Origin China  
 Declaration of Origin Organic - non animal  
 No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.  
 BSE/TSE

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White solid
ASSAY	%	Inclusive Between 99.8 - 100.1	100.03
HEAVY METALS (by ICP-OES)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INFRARED SPECTRUM	CONFORMS	= CONFORMS TO REF	MATCHES REFERENCE
INSOLUBLE MATTER	%	<= 0.005	0.00049
IRON (Fe)	ppm	<= 5	<2
OPTICAL ABSORBANCE OF 40% SOLN. @ 290 NM	ABS. UNITS	<= 0.2	0.028
WATER (H2O)	%	<= 2	0.16



Harout Sahagian  
QC 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. Products are for research use or further manufacturing. 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.