

Certificate of Analysis

Product Name:

Tris(hydroxymethyl)-aminomethane (TRIS base), PurBio, >99.0%

Product No.: PSR48435
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 77-86-1
Molecular Formula: C₄H₁₁NO₃
Molecular Weight: 121.14 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White crystalline powder	White crystalline powder
Assay (by titration)	≥ 99.0 %	99.90 %
Solubility (1M in H ₂ O at 20 °C)	Colorless solution	Complies
Identification by IR	Conforms to structure	Conforms
pH (1M in H ₂ O at 20 °C)	10.5 - 12.0	11.0
UV Absorption at 260 nm	NMT 0.025	0.006
UV Absorption at 280 nm	NMT 0.020	0.004
Loss on Drying at 105 °C	NMT 0.500 %	0.003 %
Insoluble Matter	NMT 0.005 %	0.004 %
Aluminium (Al)	NMT 0.0005 %	Complies
Arsenic (As)	NMT 0.0001 %	Complies
Barium (Ba)	NMT 0.0005 %	Complies
Bismuth (Bi)	NMT 0.0005 %	Complies
Calcium (Ca)	NMT 0.001 %	Complies
Cadmium (Cd)	NMT 0.0005 %	Complies
Chromium (Cr)	NMT 0.0005 %	Complies
Cobalt (Co)	NMT 0.0005 %	Complies
Copper (Cu)	NMT 0.0005 %	Complies
Chloride (Cl)	NMT 0.005 %	Complies
Iron (Fe)	NMT 0.0005 %	Complies
Lithium (Li)	NMT 0.0005 %	Complies
Lead (Pb)	NMT 0.0005 %	Complies
Magnesium (Mg)	NMT 0.0005 %	Complies
Manganese (Mn)	NMT 0.0005 %	Complies
Molybdenum (Mo)	NMT 0.0005 %	Complies
Nickel (Ni)	NMT 0.0005 %	Complies

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

Potassium (K)	NMT 0.005 %	Complies
Sodium (Na)	NMT 0.005 %	Complies
Strontium (Sr)	NMT 0.0005 %	Complies
Zinc (Zn)	NMT 0.0005 %	Complies

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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