



CERTIFICATE OF ANALYSIS

Product : **TRIS Ultrapure (Tris(hydroxymethyl)aminomethane)**
Product number : T1501
Batch number : 018957
Date of production : 14-11-2024
Expiry date : 30-11-2029

Packaging and storage : in a well closed container, store at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder	complies		
Solubility	clear, colorless solution	complies		40% in H ₂ O
Identification	conform	complies		IR-spectrum
UV-absorbance	conform	complies		
- 280 nm	≤ 0.07	0.066		
- 400 nm	≤ 0.02	0.011		
Water content	≤ 0.2	0.17	%	
Melting point	168.0 – 172.0	170.3 – 171.1	°C	
pH	10.0 – 11.5	10.9		5% in H ₂ O
Sulfate	≤ 10	complies	ppm	
Heavy metals	≤ 5	complies	ppm	
Iron (Fe)	≤ 1	complies	ppm	
Chloride (Cl)	≤ 3	complies	ppm	
Assay	≥ 99.5	99.8	%	titration

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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Department of Quality Control Duchefa B.V.

Date: 20-12-2024

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.