

## CERTIFICATE OF ANALYSIS

Product : **TRIS Ultrapure (Tris(hydroxymethyl)aminomethane)**  
 Product number : T1501  
 Batch number : 016367  
 Date of production : 30-06-2021  
 Expiry date : 30-06-2026

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline solid	complies		
Solubility	soluble in water	complies		
Identification	conform	complies		IR-spectrum
UV-absorbance	conform	complies		
- 280 nm	≤ 0.07	0.053		
- 400 nm	≤ 0.02	0.005		
Loss on drying	≤ 0.2	0.15	%	
Melting point	168.0 – 171.0	169.6 – 170.7	°C	
pH	10.0 – 11.5	10.8		5% in H <sub>2</sub> 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:

drs. M. van Wissen, pharmacist  
 Department of Quality Control Duchefa B.V.

Date 23-07-2021



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

Duchefa Biochemie B.V.

THH-ok