

CERTIFICATE OF ANALYSIS

Product : **TRIS Ultrapure (Tris(hydroxymethyl)aminomethane)**
 Product number : T1501
 Batch number : 015146
 Date of production : 24-06-2019
 Expiry date : 30-06-2024

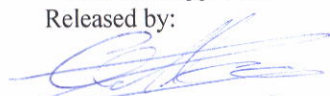
Packaging and storage : in a well closed container, store at room temperature

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline solid	complies		
Solubility	soluble in water	complies		25°C / >700 g/l
Identification	conform	complies		IR-spectrum
Insoluble matter	≤ 0.005	<0.005	%	
Loss on drying	≤ 0.2	0.04	%	3 hrs 105 °C
Melting point	168.0 – 172.0	170.0	°C	
pH	10.5– 11.5	10.77		
Residue on ignition	≤ 0.1	< 0.1	%	
Heavy metals	≤ 1	< 1	ppm	as Pb
Iron (Fe)	≤ 1	< 1	ppm	
Chloride (Cl)	≤ 100	< 5	ppm	
Assay	99.90-100.5	99.99	%	titration

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

Conclusion: approved

Released by:



Date 22-01-2020

drs. Q. de Hoog, pharmacist
Department of Quality Control Duchefa B.V.

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

Duchefa Biochemie B.V.