

CERTIFICATE OF ANALYSIS

Product : **TRIS Ultrapure (Tris(hydroxymethyl)aminomethane)**
 Product number : T1501
 Batch number : 012018
 Date of analysis : 20-12-2015
 Expiry date : 31-12-2020

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	°C	25°C / >700 g/l
Identification	IR-spectrum	complies		
Appearance of solution	clear, colourless	complies		1M H ₂ O 20°C
Insoluble matter	≤ 0.005	complies	%	
Loss on drying	≤ 0.2	0.04	%	3 hrs 105 °C
Melting point	168 – 172	170.1	°C	
pH	10.5 – 11.5	10.77		
Residue on ignition	≤ 0.1	complies	%	
Heavy metals	≤ 1	< 1	ppm	as Pb
Iron (Fe)	≤ 1	< 1	ppm	
Chloride (Cl)	≤ 100	< 5	ppm	
Assay	99.5 – 101.0	100.10	%	titration

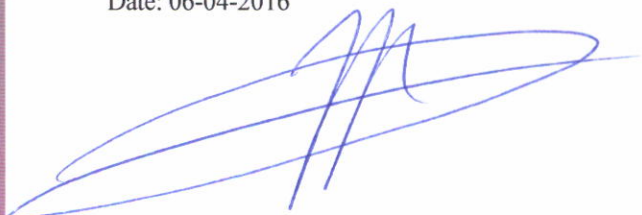
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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

Date: 06-04-2016



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