

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Tris Ultrapure
CAS NO. 77-86-1
BATCH NO. 26/MFM/3235
EXPIRY DATE: August 2027

<u>Properties:</u>	<u>Specification:</u>	<u>Results:</u>
Appearance:	White crystalline solid	complies
Assay (by titration):	$\geq 99.90\% - \leq 100.5 \text{ wt}\%$	100.1%
Absorbance (40% aq. 290 nm)	≤ 0.20	0.055
Identity:	IR Conforms	Conforms
Insoluble Matter	$\leq 0.005 \text{ wt}\%$	$< 0.005\%$
Loss on drying (3 hrs @ 105°C)	$\leq 0.2 \text{ wt } \%$	0.09
pH (1%M aq. @ 25°C)	10.5 – 11.5	10.81
Melting Point	$170.0 \pm 2.0^\circ\text{C}$	168.9- 171.3
Residue on ignition	$\leq 0.1\% \text{ wt } \%$	0.030
Solubility (1M aq. @ 20°C)	Clear, colourless	Pass
Heavy metals (as Pb)	$\leq 1 \text{ ppm}$	$< 1 \text{ ppm}$
European Pharmacopoeia 9.0	Complies	Complies

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16th January 2025