

Specification

Technical Data Sheet

CAS

77-86-1

STORAGE

Ambient

MOLECULAR WEIGHT

121.14

PRODUCT

TRIS Ultrapure (Tris(hydroxymethyl)aminomethane)

Product number 11942384

CAS number 77-86-1

Molecular formula $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$

Molecular weight 121.14 g/mol

PARAMETER

SPECIFICATION

Appearance

White crystalline solid

Assay

 $\geq 99.5\%$

Conclusion

Conforms to USP specification

Loss on Drying

 $\leq 0.5\%$

Melting Point

168.0 - 172.0°C

pH

10.0 - 11.5

Water

 $\leq 0.2\%$

Chloride (Cl-)

 $\leq 3\text{ppm}$

Heavy Metals (Pb)

 $\leq 5\text{ppm}$

Insoluble Matter

 $\leq 0.03\%$

Iron (Fe)

 $\leq 5\text{ppm}$

Residue on Ignition

 $\leq 0.1\%$

Solubility

Clear, colourless

Arsenic (As)

 $\leq 1\text{ppm}$

Calcium (Ca)

 $\leq 3\text{ppm}$

Colour (20% aq solution)

 ≤ 5

PARAMETER	SPECIFICATION
Copper (Cu)	≤ 1ppm
Identification (IR)	Conforms to reference
Identity Ph. Eur	Conforms

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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