Molekula Ltd
1 Millennium Way
Durham
Newton Aycliffe, DL5 6JW
United Kingdom
info@molekula.com
+443302000333

Specification

Technical Data Sheet

CAS	SPECIFICATION	STORAGE	MOLECULAR WEIGHT
77-86-1	**v1 · 06 Oct 2026**	**Ambient**	**121.14**

PRODUCT

TRIS (Tris(hydroxymethyl)aminomethane)

Product number	90004862
CAS number	77-86-1
Molecular formula	NH2C(CH2OH)3
Molecular weight	121.14 g/mol

PARAMETER	SPECIFICATION
Appearance	White crystalline powder
Assay/Purity	≥ 99.0%
Heavy metals	≤ 5ppm
Loss on Drying	≤ 1.0%
Melting Point	168 - 172°C
pH	10.0 to 11.5, (5% aqueous)
Water	≤ 0.2%
Iron (Fe)	≤ 1ppm
Residue on Ignition	≤ 0.1%
Identification (IR)	Conforms to Reference

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.