

Specification

Technical Data Sheet

CAS 51805-45-9	STORAGE 2 to 8 °C	MOLECULAR WEIGHT 286.65
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PRODUCT**Thermo Scientific™ Pierce™ Premium Grade TCEP-HCl CAT: 15235773**

Product number	90032159
CAS number	51805-45-9
Molecular formula	C ₉ H ₁₅ O ₆ P·HCl
Molecular weight	286.65 g/mol

PARAMETER	SPECIFICATION
Appearance	White crystalline solid, free of foreign material
Water	≤2.0%
Functional Assay	TCEP HCl reduces ≥90% of DNTB to yield TNB
Solubility	The soulte of a 310 g/l solution prepared in distilled water must remain in solution
Trace Analysis (Pb)	All metals including lead ≤50 ppm
Identification (IR)	The IR scan and NMR spectrum must show only peaks characteristic for the structure and functional groups of the compounds being tested
Purity (NMR)	≥95%

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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