

CERTIFICATE OF ANALYSIS

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Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

Catalogue T012500 Number

CAS Number: 51805-45-9

Synonym: Product: TCEP Hydrochloride

Structure:

Molecular Formula: HCI C9H15O6P• HCl HO₂C CO₂H Molecular weight: 250.19 + 36.46

> Source of Product: N/A

Solubility:

Methanol (Slightly), Water

(Slightly)

Purity: Lot Number: TRC3-1073658-4-1 96%

This Product Is Stable To Be Shipped At Shipping

Storage -20°C Condition: Condition: Room Temperature

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

White to Off-White Solid White to Off-White Solid **Appearance**

NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 37.95, %H: 5.64

MS Conforms to Structure Conforms P NMR Conforms to Structure Conforms Chloride Content Report Result 10.6%

Additional Information:

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** Bv

Swathi Reddy Toni Rantanen Chanell Chu 8/30/2022 8/28/2026

R. Letti