

CERTIFICATE OF CONFORMITY

CERTCONF2010

This document certifies that the following product and specific batch has been manufactured to and complies with the company's standard Specification.

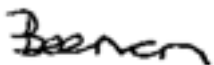
It further certifies that the batch has been tested by a diagnostic laboratory and complies with the minimum specification for this product.

PRODUCT CODE	GPS8038		
DESCRIPTION	Tris - (hydroxymethyl) aminomethane GPC		
BATCH NO	Allocated at time of production		
Manufacture Date	3 Year Shelf Life	Expiry Date	3 Year Shelf Life

SPECIFICATION	More commonly known as Tris this is widely used as a component of buffer solution		
<div style="border: 1px solid red; padding: 5px;"> <p>Complies with: I.M.P.C.A. 2007 reference specification.</p> </div>	Synonym:	2-Amino-2-(hydroxymethyl)-1,3-propanediol THAM Tris base Trometamol	
	CAS Number:	77-86-1	
	Linear Formula:	NH ₂ C(CH ₂ OH) ₃	
	Molecular Weight:	121.14	
	Assay:	≥99.9%	
	useful pH range:	7 - 9	
	pKa (25 °C)	8.1	
	Boiling Point:	219-220 °C/10 mmHg(lit.)	
Melting Point:	167-172 °C(lit.)		

TESTING PROTOCOL <small>(WHERE APPLICABLE)</small>	Supplied against supplier's certificate of analysis/conformity
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We confirm that this batch has been tested in our Laboratory and has been found to mount to our minimum standards and that sample will be retained for the life of the product



Peter Keenan
Commercial Director

Disclaimer

The information contained herein is, to the best of our knowledge and belief, accurate. However, since conditions of handling and use are beyond our control, we do not guarantee any results, and we are not liable for any damage incurred by following these suggestions. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.