



# CERTIFICATE OF CONFORMITY

CERTCONF2011

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	GPC8031		
DESCRIPTION	Tri-Sodium Citrate		
BATCH NO	Allocated at time of production		
Manufacture Date	5 Year Shelf Life	Expiry Date	5 Year Shelf Life
SPECIFICATION	As a conjugate base of a weak acid, citrate can perform as a buffering agent or acidity regulator, resisting changes in pH  Molecular Formula: C <sub>6</sub> H <sub>5</sub> Na <sub>3</sub> O <sub>7</sub> ·2H <sub>2</sub> O      Molecular Weight: 294.1g/mol Appearance: White, powder      pH: 7.5-9 at 29.4 g/l at 25degC Assay (%) 99.0 – 100.5      Melting point range: >300degC Chloride (mg/kg) <50      Arsenic (mg/kg) <1 Oxalic Acid/Oxalate (mg/kg) <100      Lead (mg/kg) <0.5 Sulphate (mg/kg) <100      Mercury (mg/kg) <0.5 Tartrate (USP/JP) Conforms      Heavy Metals (mg/kg) <5 Water (loss on drying) (%) 11.0 – 13.0		
TESTING PROTOCOL <small>(WHERE APPLICABLE)</small>	Supplied against supplier's certificate of analysis/conformity		

We confirm that this batch has been tested in our Laboratory and has been found to stain 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.