



Certificate of Analysis

Citric Acid 50% Solution

PharmaPUR™

GMP Manufactured Product

| <u>Property</u> | <u>Specifications</u> | <u>Analysis</u> | |
|-----------------|-----------------------|-----------------|-----|
| Assay (w/w) | 49.0-51.0% | 50.01 | % |
| Chloride | 10 ppm maximum | <10 | ppm |
| Phosphate | 10 ppm maximum | <10 | ppm |
| Heavy Metals | 10 ppm maximum | <10 | ppm |
| Iron | 3 ppm maximum | <3 | ppm |
| Identification | Passes Test | Pass | |

Unless otherwise specified, this material is tested to the current US Pharmacopeia/National Formulary. This material is filtered to 0.2um

Lot Number 50391291901

By

John Sinclair
Site Quality Manager

Manufacture Date 05/09/2019
Expiration Date 05/31/2020