

Ascorbic Acid, Fine Powder, U.S.P.
Multi-Compendial
200-325 Mesh



Material No.: 0939-07
Batch No.: 0000174136
Manufactured Date: 2016/09/01
Expiration Date: 2019/09/01

Certificate of Analysis

Meets J.P. Chemical Specifications, Meets U.S.P Requirements,
GMP Manufactured Product

| Test | Specification | Result |
|--|--------------------|---------|
| USP – Assay (C ₆ H ₈ O ₆) | 99.0 – 100.5 % | 99.2 |
| USP – Identification A | Passes Test | PT |
| USP – Identification B | Passes Test | PT |
| USP – Specific Rotation [α] ²⁵ ^D (+) | 20.5 – 21.5 Degree | 20.8 |
| USP – Residue on Ignition | <= 0.1 % | < 0.1 |
| USP – Heavy Metals (as Pb) | <= 0.002 % | < 0.002 |
| Mesh – Thru U.S. No. 100 Sieve | >= 100 % | 100 |
| Mesh – Thru U.S. No. 200 Sieve | >= 95 % | 100 |
| JP – Assay (C ₆ H ₈ O ₆) (dried basis) | 99.0 – 101.0 % | 101.0 |
| JP – Identification A | Passes Test | PT |
| JP – Identification B | Passes Test | PT |
| JP – Optical Rotation [α] ²⁰ ^D (+) | 20.5 – 21.5 Degree | 20.5 |
| JP – pH (1 in 20) | 2.2 – 2.5 | 2.3 |
| JP – Clarity and Color of Solution | Passes Test | PT |
| JP – Heavy Metals (as Pb) | <= 20 ppm | < 20 |
| JP – Loss on Drying | <= 0.20 % | 0.13 |
| JP – Residue on Ignition | <= 0.10 % | 0.04 |

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

Only Class 2 Solvents (Methanol) and Class 3 Solvents are likely to be present. Residual Class 2 Solvents are below Option 1 and the residual concentration of all Class 3 solvents is <0.5%.

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Country of Origin: GB
Packaging Site: Paris Mfg Ctr & DC
Manufacturer: P1009002
Manufacturer source batch: TL01609201



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

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