

Sodium Borate, 10-Hydrate, N.F.
Multi-Compendial

(Borax)



Material No.: 3575-07
Batch No.: 0000166150
Manufactured Date: 2016/10/06
Retest Date: 2021/10/05

Certificate of Analysis

Meets B.P. Chemical Specifications, Meets E.P. Chemical Specifications, Meets J.P. Chemical Specifications, Meets N.F. Requirements,
GMP Manufactured Product

| Test | Specification | Result |
|--|----------------|---------|
| NF - Assay | 99.0 - 105.0 % | 101.7 |
| NF - Identification | Passes Test | PT |
| NF - Carbonate and Bicarbonate | Passes Test | PT |
| NF - Heavy Metals (as Pb) | <= 0.002 % | < 0.002 |
| NF - Endotoxin Concentration (EU/g) | <= 2.5 | 2.5 |
| EP/BP - Assay (Na ₂ B ₄ O ₇ · 10H ₂ O) | 99.0 - 103.0 % | 102.1 |
| EP/BP - Identification A | Passes Test | PT |
| EP/BP - Identification B | Passes Test | PT |
| EP/BP - Identification C | Passes Test | PT |
| EP/BP - Appearance of Solution | Passes Test | PT |
| EP/BP - pH of 4% Solution at 25°C | 9.0 - 9.6 | 9.2 |
| EP/BP - Sulfate (SO ₄) | <= 50 ppm | < 50 |
| EP/BP - Ammonium (NH ₄) | <= 10 ppm | < 10 |
| EP/BP - Arsenic (As) | <= 5 ppm | < 5 |
| EP/BP - Calcium (Ca) | <= 100 ppm | < 100 |
| EP/BP - Heavy Metals (as Pb) | <= 25 ppm | < 25 |
| JP - Assay (Na ₂ B ₄ O ₇ · 10H ₂ O) | 99.0 - 103.0 % | 101.7 |
| JP - Identification | Passes Test | PT |
| JP - pH (1 in 20) | 9.1 - 9.6 | 9.3 |
| JP - Clarity and Color of Solution | Passes Test | PT |
| JP - Carbonate and Bicarbonate | Passes Test | PT |
| JP - Heavy Metals (as Pb) | <= 20 ppm | < 20 |
| JP - Arsenic (As) | <= 5 ppm | < 5 |

Bulk Pharmaceutical Chemical

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

Material No.: 3575-07
Batch No.: 0000166150

CAUTION: For Manufacturing, processing or repackaging
No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Country of Origin: IT
Packaging Site: Paris Mfg Ctr & DC
Manufacturer: P0078001
Manufacturer source batch: C020216019

ISO

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

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