

Certificate of Analysis

Material Material description Grade

Lot

Expiration Date CAS Number Molecular formula Molecular mass Date of manufacture Made in Storage Supplier Additional information

Characteristics

Appearance ACS specifications: Assay [ACS] pH (25°C; 5 %) [ACS] Heavy metals (ICP-OES) [ACS] Insoluble matter [ACS] Residue after ignition [ACS] Cl (Chloride) [ACS] NO3 (Nitrate) [ACS] PO4 (Phosphate) [ACS] Fe (Iron) [ACS] NF specifications: Assay [NF] Identification A Identification B pH [NF] Limit of insoluble matter [NF] Residue on ignition [NF] CI (Chloride) [NF] Limit of nitrate [NF] Limit of phosphate [NF] Fe (Iron) [NF] Bacterial endotoxins Total aerobic microbial count [NF] Total combined yeasts and molds [NF] VWRB191-100KG Ammonium sulfate NF/ACS/ENDOTOXIN TESTED

20B245205 2024 Feb 20 7783-20-2 (NH4)2SO4 132.14 2019 Feb 20 Czech Republic Store between 15 °C and 30 °C. 18140

Specifications

White crystalline powder

Min. 99.0 % 5.0 --> 6.0 Max. 5 ppm Max. 0.005 % Max. 0.005 % Max. 5 ppm Max. 0.001 % Max. 5 ppm Max. 5 ppm 99.0 --> 100.5 % Passes test NF Passes test NF 5.0 --> 6.0 Max. 0.005 % Max. 0.005 % Max. 5 ppm Max. 10 ppm Max. 5 ppm Max. 5 ppm Max. 2.5 EU/g Max. 1000 CFU/g

Max. 10 CFU/g

Measured values

White crystalline powder

100.2 % 5.2 Max. 5 ppm Max. 0.005 % Max. 0.005 % Max. 5 ppm Max. 0.001 % Max. 5 ppm Max. 5 ppm 100.2 % Passes test NF Passes test NF 5.2 Max. 0.005 % Max. 0.005 % Max. 5 ppm Max. 10 ppm Max. 5 ppm Max. 5 ppm Passes test Passes test Passes test

For further manufacturing use only. Not for use as an Active Pharmaceutical Ingredient.

VWR International LLC, Radnor Corporate Center, Suite 200, 100 Matsonford Road, Radnor, PA 19087, USA



Certificate of Analysis



Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Naresh Boddu, Head of Laboratory - Aurora VWR Chemicals, LLC, 220 Lena Dr., Aurora, OH 44202, USA

Additional information

No Class 1, 2, 3 or other residual solvents are present.