

Certificate of Analysis



Material description

Grade

VWRB191-100KG Ammonium sulfate

NF/ACS/ENDOTOXIN TESTED

 Lot
 20B245205

 Expiration Date
 2024 Feb 20

 CAS Number
 7783-20-2

 Molecular formula
 (NH4)2SO4

 Molecular mass
 132.14

 Date of manufacture
 2019 Feb 20

Made in Czech Republic
Storage Store between 15 °C and 30 °C.

Supplier 18140

Additional information

Characteristics	Specifications	Measured values
Appearance	White crystalline powder	White crystalline powder
ACS specifications:		
Assay [ACS]	Min. 99.0 %	100.2 %
pH (25°C; 5 %) [ACS]	5.0> 6.0	5.2
Heavy metals (ICP-OES) [ACS]	Max. 5 ppm	Max. 5 ppm
Insoluble matter [ACS]	Max. 0.005 %	Max. 0.005 %
Residue after ignition [ACS]	Max. 0.005 %	Max. 0.005 %
CI (Chloride) [ACS]	Max. 5 ppm	Max. 5 ppm
NO3 (Nitrate) [ACS]	Max. 0.001 %	Max. 0.001 %
PO4 (Phosphate) [ACS]	Max. 5 ppm	Max. 5 ppm
Fe (Iron) [ACS]	Max. 5 ppm	Max. 5 ppm
NF specifications:		
Assay [NF]	99.0> 100.5 %	100.2 %
Identification A	Passes test NF	Passes test NF
Identification B	Passes test NF	Passes test NF
pH [NF]	5.0> 6.0	5.2
Limit of insoluble matter [NF]	Max. 0.005 %	Max. 0.005 %
Residue on ignition [NF]	Max. 0.005 %	Max. 0.005 %
CI (Chloride) [NF]	Max. 5 ppm	Max. 5 ppm
Limit of nitrate [NF]	Max. 10 ppm	Max. 10 ppm
Limit of phosphate [NF]	Max. 5 ppm	Max. 5 ppm
Fe (Iron) [NF]	Max. 5 ppm	Max. 5 ppm
Bacterial endotoxins	Max. 2.5 EU/g	Passes test
Total aerobic microbial count [NF]	Max. 1000 CFU/g	Passes test
Total combined yeasts and molds [NF]	Max. 10 CFU/g	Passes test



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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.