

Certificate of Analysis



Product Name: AMMONIUM CHLORIDE, REAGENT (ACS)
Item #: 645
Lot #: 19490137

Certified Values:

Specifications (Max Limits or as Specified)	Status	Results
Assay 99.5 % - Min	Pass	100.2
pH of 5% solution @ 25 C 4.5 - 5.5 pH	Pass	4.8
Insoluble 0.005 % Max	Pass	< 0.005
Residue after ignition 0.01 % Max	Pass	< 0.01
Phosphate 0.0002 % Max	Pass	0.0002
Sulfate 0.002 % Max	Pass	< 0.002
Calcium 0.001 % Max	Pass	< 0.001
Magnesium 0.0005 % Max	Pass	< 0.0005
Heavy Metals (by ICP-OES) 0.0005 % Max	Pass	< 0.0005
Iron 0.0002 % Max	Pass	< 0.0002

Comments

CoA #: COA-050162
Certificate Created By: Tyler Dickson
CoA Creation Date: December 26, 2019
Best by: November 28, 2024
Print Date: March 8, 2021

Signature on File

Not for direct use in food, cosmetics, finished pharmaceuticals or drug products. Supplier is not responsible for compliance with FDA Current Good Manufacturing Practice(cGMP) requirements, including without limitation those for finished drug products in 21 C.F.R Parts 210 and 211.Consult warranty limitations at

www.gfschemicals.com/statics/documents/aboutus/termsandconditions.html

For resale by GFS authorized distributors only.

GFS Chemicals, Inc. P.O. Box 245 Powell, OH 43065 * Signed Orig. Doc. On File
1-800-858-9682 (U.S. and Canada) 1-740-881-5501 (International) 1-740-881-5989 (Fax)

ISO 17025 Testing

All ISO 17025 testing is performed at GFS Chemicals, Inc. 800 Kaderly Dr, Columbus, OH 43228 USA

UV/Vis Spectrophotometer testing is performed according to ASTM method E169-16.

Turbidity testing is performed according to ASTM methods D6855-17 and ASTM D7315-17.

Conductivity testing is performed according to ASTM method D1125-14.

pH testing is performed according to ASTM method D1293-18.

Karl Fischer titration testing is performed according to ASTM methods E203-16 and E1064-16.

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