

MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: Ammonium Chloride
Catalog Number: 150109
Lot: MR29153**Formula:** NH_4Cl
CAS #: 12125-02-9
Physical Description: White Crystals**Formula Weight:** 53.49
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
pH (5% aq soln)	4.5 - 5.5	5.0

Assay: 99.7%
Insoluble Matter: 0.001%
Residue after Ignition: 0.009%
Calcium: <0.001%
Magnesium: <5 ppm
Heavy Metals: 4 ppm
Iron: 0.5 ppm
Phosphate: <2 ppm
Sulfate: $\leq 0.002\%$

A handwritten signature in black ink that reads 'Christina Marotta'.

05/08/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

This is an electronically generated document
<mailto:biotech@mpbio.com>
<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)