

Certificate of Analysis

Date of Testing: 2025-06-03 14:03:46

Date of Next Testing: 2027-05-24 14:03:46

Product Name: **Ammonium chloride**

CAS Number: 12125-02-9

Specifications & Purity: pharmaceutical grade, PharmPure™

Lot #: E2527154

SKU #: **A434899**

Version: **1**

Analysis #: **519548**

Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Assay(calc. to the dried substance)	99.5 - 100.5 (%)	99.60000 %
PH (5%, water) 25 ° C	4.6-6	4.80
Loss on drying(105°C)	0-0.5 (%)	0.00 %
Loss on drying (on silicagel, 4h)	0-0.5 (%)	0.00000 %
Heavy metals(as Pb)	0-10 (ppm)	0.00 ppm
(As)Arsenic	0-3 (ppm)	0.00 ppm
Calcium(Ca)	0-100 (ppm)	26.30 ppm
Copper(Cu)	0-20 (ppm)	0.00 ppm
Iron(Fe)	0-20 (ppm)	2.13 ppm
Magnesium(Mg)	0-10 (ppm)	3.60 ppm
Lead(Pb)	0-4 (ppm)	0.00 ppm
Zinc(Zn)	0-20 (ppm)	1.90 ppm
Total sulfur as SO4 (ICP)	0-100 (ppm)	17.20 ppm



John Su
QA & QC Manager