

# Certificate of Analysis

## Compound Information

**Product Name:** Ammonium Hydroxide  
**CAS No.:** 1336-21-6  
**Cat. No.:** G4593348  
**Molecular Formula:** NH<sub>4</sub>OH  
**Molecular Weight:** 35.05

## Batch Information

**Batch No.:** 2137482  
**Test Date:** 2023-12-26  
**Report Date:** 2023-12-27  
**Retest Date:** 2027-12-25  
**Storage:** Store in a cool,dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Assay (NH <sub>3</sub> ), %	28-30	29
Color	5	Meets requirements
Aluminum (Al), ppb	≤0.05	≤0.05
Antimony (Sb), ppb	≤0.05	≤0.05
Barium (Ba), ppb	≤0.05	≤0.05
Beryllium (Be), ppb	≤0.05	≤0.05
Bismuth (Bi), ppb	≤0.05	≤0.05
Cadmium (Cd), ppb	≤0.05	≤0.05
Calcium (Ca), ppb	≤0.05	≤0.05
Chromium (Cr), ppb	≤0.05	≤0.05
Cobalt (Co), ppb	≤0.05	≤0.05
Copper (Cu), ppb	≤0.05	≤0.05
Gallium (Ga), ppb	≤0.05	≤0.05
Germanium (Ge), ppb	≤0.05	≤0.05
Gold (Au), ppb	≤0.05	≤0.05
Inmium (In), ppb	≤0.05	≤0.05
Iron (Fe), ppb	≤0.05	≤0.05
Lead (Pb), ppb	≤0.05	≤0.05
Lithium (Li), ppb	≤0.05	≤0.05

**Signature:**

**Reviewed by:**

**Reviewed by:**

**Approved by:**

*[Handwritten Signature]*

*[Handwritten Signature: Debra]*

*[Handwritten Signature: David]*

Test	Specification	Result
Magnesium (Mg), ppb	?0.05	?0.05
Manganese (Mn), ppb	?0.05	?0.05
Molybdenum (Mo), ppb	?0.05	?0.05
Nickel (Ni), ppb	?0.05	?0.05
Niobium (Nb), ppb	?0.05	?0.05
Potassium (K), ppb	?0.05	?0.05
Selenium (Se), ppb	?0.05	?0.05
Silver (Ag), ppb	?0.05	?0.05
Sodium (Na), ppb	?0.05	?0.05
Strontium (Sr), ppb	?0.05	?0.05
Tantalum (Ta), ppb	?0.05	?0.05
Thallium (Tl), ppb	?0.05	?0.05
Tin (Sn), ppb	?0.05	?0.05
Titanium (Ti), ppb	?0.05	?0.05
Vanadium (V), ppb	?0.05	?0.05
Zinc (Zn), ppb	?0.05	?0.05
Zirconium (Zr), ppb	?0.05	?0.05

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

