

## Certificate of Analysis

Date of Testing: 2022-11-08 13:22:03  
Date of Next Testing: 2023-11-08 13:22:03  
Product Name: **Ammonium hydroxide solution**  
CAS Number: 1336-21-6  
Specifications & Purity: 28% in H<sub>2</sub>O, ≥99.999% metals basis  
Lot #: K2204212  
SKU #: **A112085**  
Analysis: **159635**

Parameter	Limit Values	Result
Ammonia (NH <sub>3</sub> )	28-30 (%)	28.81 %
Purity	99.999-100 (%)	100.00 %
Trace Metal Analysis	0-10 (ppm)	8.20 ppm
Appearance (A112085)	Colorless Liquid	Colorless liquid
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager