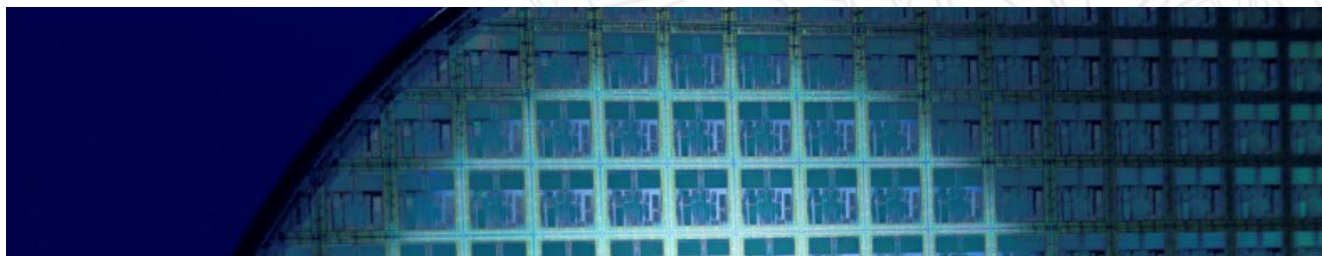


# AMMONIA (NH<sub>3</sub>)



**BLUE AMMONIA® GRADE**  
**TOTAL PURITY 99.99994%**



**Blue Ammonia® (99.99994%) is a high purity grade for opto-electronic applications. Ammonia is a colorless, pungent, flammable gas at atmospheric pressure and temperature. It is irritating to the mucous membranes and toxic in high concentrations. It is shipped as a liquefied gas under its own pressure.**

## SPECIFICATIONS

Argon (Ar)	≤20 ppbv
Carbon Dioxide (CO <sub>2</sub> )	100 ppbv
Carbon Monoxide (CO)	≤50 ppbv
Hydrogen (H <sub>2</sub> )	≤100 ppbv
Oxygen (O <sub>2</sub> )	≤100 ppbv
Total Hydrocarbons (THC) as Methane	≤50 ppbv
Water (H <sub>2</sub> O)	≤200 ppbv
Antimony (Sb)	≤10 ppbw
Cadmium (Cd)	≤10 ppbw
Calcium (Ca)	≤ 10 ppbw
Chromium (Cr)	≤10 ppbw
Cobalt (Co)	≤10 ppbw
Copper (Cu)	≤10 ppbw
Gallium (Ga)	≤1 ppbw
Germanium (Ge)	≤10 ppbw
Iron (Fe)	≤50 ppbw
Lead (Pb)	≤10 ppbw
Lithium (Li)	≤1 ppbw
Magnesium (Mg)	≤10 ppbw
Manganese (Mn)	≤10 ppbw
Molybdenum (Mo)	≤10 ppbw
Nickel (Ni)	≤10 ppbw
Potassium (K)	≤1 ppbw
Silicon (Si)	≤10 ppbw
Sodium (Na)	≤10 ppbw
Tin (Zn)	≤10 ppbw
Zinc (Zn)	≤10 ppbw

### STANDARD PACKAGE INFORMATION—NORTH AMERICA AND ASIA

Material Number	63065	34419
Cylinder Size	ISO	448L Steel
Fill Weight (lbs)	25,353	500
Fill Weight (kgs)	11,500	227
Valve Connection	Pneumatic	Manual DISS 720
Cylinder Dimensions (in)	20FT ISO	24 x 90

### STANDARD PACKAGE INFORMATION—EUROPE

Material Number	63054
Cylinder Size	ISO Container
Fill Weight (kgs)	11,500
Valve Connection	Pneumatic
Cylinder Dimensions (cm)	20' ISO



For more information, please contact us at:

**VERSUM MATERIALS, LLC**  
**[VERSUMMATERIALS.COM](http://VERSUMMATERIALS.COM)**

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