

Ammonia (NH₃)

VLSI Grade

Total Purity ≥99.999%* (*excludes Hydrogen)

Description

VLSI Grade Ammonia (99.999%) is our standard high purity grade for semiconductor process 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, and shipped as a liquefied gas under its own vapor pressure.

Specifications

Carbon Dioxide (CO ₂)	≤1.0 ppmv
Carbon Monoxide (CO)	≤1.0 ppmv
Methane (CH ₄)	≤0.5 ppmv
Nitrogen (N ₂)	≤3.0 ppmv
Oxygen and Argon (O ₂ & Ar)	≤1.0 ppmv
Water (H ₂ O)	≤2.0 ppmv

Standard Package Information – Asia, North America, & Europe

Material Number	12650
Cylinder Size	448L Steel
Fill Weight (lbs)	500
Fill Weight (kgs)	227
Valve Connection	Manual DISS 720
Cylinder Dimensions (in)	24X90

For More Information

If you would like additional information or technical assistance, write or call Air Products and Chemicals, Inc. at one of the following locations.

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