



Ammonia (NH₃)

Specifications

	GRADE 5	GRADE 5.5	GRADE 6.4
Purity	99.999%	99.9995%	99.99994%
Nitrogen	< 5 ppmv	< 1.5 ppmv	
Oxygen		< 0.5 ppmv	(+Ar):< 100 ppbv
Carbon Monoxide	< 2 ppmv	< 0.1 ppmv	< 50 ppbv
Carbon Dioxide		< 0.4 ppmv	< 100 ppbv
Hydrogen			< 100 ppbv
Methane	< 2 ppmv	< 0.1 ppmv	< 50 ppbv
Water	(+O ₂): < 5 ppmv	< 2 ppmv	< 200 ppbv

Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.

Cylinder Sizes

SIZE	FILL WEIGHT (LB)
1 Ton	500
49L/Size 300	55
44L/Size 200	50

Technical Data

Molecular Weight: 17.03 g/mol
 Specific Volume: 22.6 cu.ft./lb
 Pressure @ 70°F: 113.9 psig
 Valve Outlet: CGA 660 DISS 720

Shipping Information

DOT Name: Ammonia
 Hazard Class: 2.2
 DOT Number: UN 1005
 DOT Label: Non-Flammable Gas
 CAS Number: 7664-41-7