Liquid Ammonia

NH | Anhydrous, 99.5% to 99.9%+, refrigerant R717

PRODUCT OVERVIEW

Anhydrous liquid ammonia for industrial refrigeration, cold stores and ice plants, and for nitriding, emission control and chemical use. A toxic, corrosive gas under pressure: handled only by trained staff in ammonia-rated systems.

TYPICAL SPECIFICATION

Characteristic	Units	Typical value	Test method
NH content, commercial	-	**99.5% min**	Evaporation residue / titration
NH content, refrigeration grade	-	**99.9% min (99.95% to IIAR)**	Evaporation residue / titration
Water, commercial	-	**0.5% max**	Evaporation residue
Water, refrigeration grade	-	**0.2% max; 33–200 ppm on premium grades**	Karl Fischer / residue
Oil	-	**2–10 ppm max, by grade**	Gravimetric / IR
Appearance	-	**Colourless liquefied gas**	Visual
Odour	-	**Sharp, pungent**	-

SUPPLY AND PACKING

Steel pressure cylinders, ton containers and pressure ISO tanks, shipped as class 2.3 dangerous goods (UN 1005, subsidiary 8). FOB, CFR and CIF on request; container types and sizes are confirmed with each offer.

DOCUMENTATION

Every shipment includes a Certificate of Analysis. Certificate of Origin and MSDS are available on request. Destination-specific import or phytosanitary documentation is confirmed where applicable.

NOTICE

Values are typical and published for reference; they are not a certificate of analysis. Agree the specification of the offered batch, the packing and any destination requirements before ordering.