



**/ABAN
CHEMICAL**

THE POWER OF NATURE
THE PRECISION OF CHEMISTRY

AMMONIA LIQUID ANHYDROUS

HIGH PURITY – RELIABLE PERFORMANCE

ABAN Chemical provides high quality anhydrous liquid ammonia manufactured to meet Iranian National Standards and International quality benchmarks, ensuring consistent performance for diverse industrial applications.



HIGH PURITY

Produced to strict standards to ensure high ammonia content and excellent product quality.



LOW IMPURITIES

Low levels of water, oil and foreign matter for reliable industrial performance.



WIDE APPLICATION

Essential raw material for fertilizer production, chemicals, refrigeration and more.



CONSISTENT QUALITY

Advanced process control and quality assurance for consistent and reliable supply.

GUARANTEED ANALYSIS

Parameter	Unit	Specification	Limit
Purity (NH ₃)	% wt	99.65	Min
Nitrogen (N)	% wt	81.9	Min
Water	% wt	0.35	Max
Oil	ppm	10	Max
Foreign Matter	ppm	0.03	Max

TYPICAL PROPERTIES

Parameter	Unit	Specification	Limit	Test Method
Purity (NH ₃)	% wt	99.65	Min	ISIRI 3355
Nitrogen (N)	% wt	81.9	Min	Calculation (NH ₃ Content)
Water	% wt	0.35	Max	ISO 7105
Oil	ppm	10	Max	ISO 7106
Foreign Matter	ppm	0.03	Max	Visual / Filtration
Appearance	-	Clear, Colorless Liquefied Gas	-	Visual
Relative Density (20°C)	g/cm ³	0.61 (Typical)	-	ASTM D891
Boiling Point (at 1 atm)	°C	-33.34 (Typical)	-	ASTM D1120
Critical Temperature	°C	132.4 (Typical)	-	ASTM Data
Molecular Weight	g/mol	17.03 (Typical)	-	ASTM Data

Note: Specifications conform to ISIRI 3355 and international standards.

APPLICATIONS



Urea
Production



Ammonium
Nitrate



Nitric Acid



Refrigeration
(R717)



Chemical
Manufacturing



Water
Treatment



Mining
Explosives



Pharmaceutical
Industry

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Delivering Value Through Quality

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FEATURES & BENEFITS



High purity anhydrous ammonia for demanding applications.



Low moisture and oil content for better process efficiency.



Reliable quality ensures consistent and safe operations.



Suitable for refrigeration systems (R717).



Ideal feedstock for fertilizers and chemical industries.



Produced under strict quality control and testing.