

PRODUCT SPECIFICATIONS

Aqua Ammonia Industrial Grade Ammonium Hydroxide



PRODUCT DESCRIPTION

Aqua Ammonia (NH₃) is a clear and colorless, low vapor pressure liquid product manufactured to the following reagent grade specifications:

CHEMICAL PROPERTIES


PROPERTY	SPECIFICATIONS**
Appearance	Colorless, Water White
Assay* (% by wt. NH ₃ min.)	19.0% or 29.45% (26°Be)
Residue after ignition	20 ppm maximum
Carbon Dioxide	20 ppm maximum
Chloride	0.5 ppm maximum
Phosphate	2 ppm maximum
Total Sulfur – (as SO ₄)	2 ppm maximum
Heavy Metals (as Pb)	0.5 ppm maximum
Iron	0.2 ppm maximum
Substance Reducing Permanganate	Pass

*Custom strengths are available meeting the same specifications.

**Hill Brothers' Aqua Ammonia meets or exceeds all above specifications by independent laboratory test.

PHYSICAL PROPERTIES

PROPERTY	PROPERTIES	
Assay (% by wt. NH ₃ min)	19.0%	29.45%
Specific Gravity at 60°F	0.929	0.897
Pounds per gallon at 60°F	7.74	7.47
Boiling Point – Sea Level	120.6°F	85.6°F

	Maximum use level for Ammonium Hydroxide under NSF/ANSI Standard 60		
	Ammonium Hydroxide 19%	Maximum use	26 mg/L
	Ammonium Hydroxide 20%	Maximum use	25 mg/L
	Ammonium Hydroxide 29.45%	Maximum use	17 mg/L
	Ammonium Hydroxide 26° be	Maximum use	17 mg/L
	Ammonium Hydroxide 24.5%*	Maximum use	20 mg/L
*NSF certification for 24.5% applies to Aqua Ammonia produced at the San Jose facility only.			

SAFETY AND HANDLING

Proper safety equipment and other safety concerns must be observed. Refer to the Aqua Ammonia SDS for current information.

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The information on this Product Profile is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. For latest product specifications, contact our nearest sales office.

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