

# PRODUCT SPECIFICATIONS

## **Aqua Ammonia** **Food Chemical Codex (FCC) Grade** **Ammonium Hydroxide**



### PRODUCT DESCRIPTION

Aqua Ammonia (NH<sub>3</sub>) is a clear and colorless, low vapor pressure liquid product manufactured to the following specifications:


### CHEMICAL PROPERTIES

PROPERTY	SPECIFICATIONS
Appearance .....	Colorless, Water White
Assay (NH <sub>3</sub> ) .....	27.0% - 30.0%
Residue after ignition .....	20 ppm maximum
Lead (Pb) .....	0.5 ppm maximum
Readily Oxidizable Substances .....	Pass

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

### PHYSICAL PROPERTIES

PROPERTY	TYPICAL PROPERTIES
Specific Gravity at 60°F .....	0.897
Pounds per gallon at 60°F .....	7.47
Boiling Point @ Sea Level .....	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.

### APPLICATION

In accordance with FDA Title 21 CFR 184.1139, ammonium hydroxide is listed as Generally Recognized as Safe (GRAS) with no limitation other than current Good Manufacturing Practices (cGMP) for the application of leavening agent, pH Control, surface-finishing, boiler water additive, and feed additive.

### SAFETY AND HANDLING

Ammonium hydroxide is classified as a hazardous material. Hill Brothers, as a basic manufacturer of ammonium hydroxide, attests that the product meets all pertinent specifications, but accepts no responsibility for its end use. Although this product meets specifications, this in no way mitigates the hazards inherent in this product. 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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