

# Technical Specification

**PRODUCT :** Ammonia solution 25 % RPE - For analysis

**MOLECULAR WEIGHT :** 35,05

**CAS N° :** 1336-21-6

**FORMULA :** NH<sub>4</sub>OH

TEST	U.M.	SPECIFICATION
Description	-	Clear liquid
Colour	APHA	<= 10
Identification	-	Positive
Density d <sub>20/4</sub>	-	0.904 - 0.910
Assay (alcalimetric)	%	24.0 - 26.0
Carbonate	ppm	<= 10
Chloride	ppm	<= 0.5
Phosphate	ppm	<= 0.3
Heavy metals (as Pb)	ppm	<= 0.4
Residue on ignition	ppm	<= 3
Subs. reducing KMnO <sub>4</sub>	ppm (5m)	<= 8
Sulfides	ppm	<= 0.1
Total sulphur (S)	ppm	<= 1
Ag	ppm	<= 0.02
As	ppm	<= 0.02
Ca	ppm	<= 0.5
Cd	ppm	<= 0.01
Co	ppm	<= 0.01
Cr	ppm	<= 0.02
Cu	ppm	<= 0.02
Fe	ppm	<= 0.05
K	ppm	<= 0.2
Mg	ppm	<= 0.1
Mn	ppm	<= 0.01
Na	ppm	<= 1
Ni	ppm	<= 0.02
Pb	ppm	<= 0.02
Zn	ppm	<= 0.05

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It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application. CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of inappropriate use.

**Date: 19/06/2026**

Approved electronically, valid without a signature

**QUALITY LABORATORY  
TECHNICIAN  
MAXIME DAMBRE  
VAL DE REUIL**