

# Technical Specification

**PRODUCT : Ammonia solution 30 % RS - RSE - For electronic use**

**CODE : 420070**

**MOLECULAR WEIGHT :35,046**

**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</sub> /4	-	0.892 - 0.910
Carbonate	ppm	<= 5
Chloride	ppm	<= 0.25
Phosphate	ppm	<= 0.2
Heavy metals (as Pb)	ppm	<= 0.2
Residue on ignition	ppm	<= 3
Subs. reducing KMnO <sub>4</sub>	ppm	<= 5
Total sulphur (S)	ppm	<= 1
Assay (alcalimetric)	%	28 - 32
Ag	ppm	<= 0.02
Al	ppm	<= 0.05
As	ppm	<= 0.025
Au	ppm	<= 0.05
B	ppm	<= 0.01
Ba	ppm	<= 0.1
Be	ppm	<= 0.02
Bi	ppm	<= 0.02
Ca	ppm	<= 0.2
Cd	ppm	<= 0.01
Co	ppm	<= 0.01
Cr	ppm	<= 0.01
Cu	ppm	<= 0.01
Fe	ppm	<= 0.03
Ga	ppm	<= 0.02
In	ppm	<= 0.02
K	ppm	<= 0.2
Li	ppm	<= 0.02
Mg	ppm	<= 0.1
Mn	ppm	<= 0.01
Mo	ppm	<= 0.05
Na	ppm	<= 0.5
Ni	ppm	<= 0.01
Pb	ppm	<= 0.01
Pt	ppm	<= 0.05
Sb	ppm	<= 0.05
Sn	ppm	<= 0.02
Sr	ppm	<= 0.02
Ta	ppm	<= 0.1
Ti	ppm	<= 0.05
Tl	ppm	<= 0.05
V	ppm	<= 0.05
Zn	ppm	<= 0.05

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 in



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ISO 9001: 2015

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TEST	U.M.	SPECIFICATION
Zr	ppm	<= 0.05

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Date : 07/10/2025

**QUALITY CONTROL RESPONSIBLE**  
**J. RICHARD (VDR)**