



PRODUCT CODE: 121128

Ammonia 20% (as NH₃) for analysis

H₃N

NH₃

M.= 17,03

CAS [1336-21-6]

EINECS 215-647-6

TARIC 2814 20 00 00

SYNONYMS: Ammonium Hydroxide

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • D 20/4 0,92 • Vap. press. (20 °C) 500 hPa •

BIBLIOGRAPHY: Merck Index **13**, 494 Sax **AMY500** • Römp **8**, **182** • ACS **XI** •

HAZARDOUS: C.E: 007-001-01-2 • RTECS: BQ 9625000 • LD50 oral rat 350 mg/kg • LC L0 inh hmn 5000 ppm / 5 min • LC50 inh rat 2000 ppm / 4h • VLA-EC (NH₃) 35 ppm25 mg/m³ VLA-ED (NH₃) 25 ppm18 mg/m³



H: H314 • H335 • H400 •

P: P260 • P261 • P264 • P271 • P273 • P501 • P280 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P312 • P321 • P363 • P391 • P403+P233 • P405 • P310 •

TRANSPORT REGULATIONS: UN: 2672 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •

WEIGHT/VOLUME INFORMATION: 1l~0,920 kg 1kg~1,087 l

SPECIFICATIONS:

Minimum assay (Acidim.)

20 %*

Density at 20/4

0,917-0,923*

Maximum limit of impurities

APHA colour	10
Non-volatile matter	0,002 %
Reducing substance to KMnO ₄ (as O)	0,0008 %
Chloride (Cl)	0,00005%
Sulfur compounds (as SO ₄)	0,0002 %
Phosphate (PO ₄)	0,0001 %
Sulfide (S)	0,00001 %
Carbonate (as CO ₂)	0,002%
Pyridine and homologues	0,0002%
Heavy metals (as Pb)	0,00005%
As	0,000005 %

Metals by ICP [in mg/Kg (ppm)]

Ag	0,02
Al	0,5
Au	0,1
B	0,5
Ba	0,1
Be	0,1
Bi	0,05
Ca	1
Cd	0,1
Co	0,1
Cr	0,05
Cu	0,1
Fe	0,1
Ga	0,05
Ge	0,02
Hg	0,1
In	0,05
K	1
Li	0,02
Mg	0,5
Mn	0,1
Mo	0,02
Na	2
Ni	0,05
Pb	0,05
Pt	0,1
Sb	0,02
Si	0,2
Sn	0,05
Sr	1
Ti	0,05
Tl	0,02
V	0,02
Zn	0,1
Zr	0,05

*** At the moment of the batch analysis.**