AMMONIA, SOLUTION 28%

AM0256 Ammonia, solution 28% w/w, reagent grade, Pharmpur®, Ph Eur

- Synonyms: Ammonia water
- NH_3
- M = 17,03 g/mol
- CAS [1336-21-6]
- EINECS-No.: 215-647-6
- Density: ~ 0,90 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: ~ -63 °C
- Boiling point: 36 °C
- Vapour pressure: (20 °C) 535 hPa
- LD 50 (oral, rat): 350 mg/kg
- EC-Index-No.: 007-001-01-2
- ADR: 8 C5 III UN 2672
- IMDG: 8 III UN 2672
- IATA/ICAO: 8 III UN 2672
- GHS-signal word: Danger
- GHS-H sentences: H314 - H400 - H335
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2814 20 00 00
- Applications: analytical chemistry, laboratory reagent, for ammonium salts synthesizing, in pharma industry.

assay (acidimetric, NH_3)	28,0 - 30,0 %
appearance	passes test
appearance of solution	clear and colourless
carbon dioxide (CO_2)	max. 0,002 %
chlorides (Cl)	max. 0,3 ppm
nitrates (NO_3)	max. 2 ppm
phosphates (as PO_4)	max. 0,5 ppm
silicates (SiO_2)	max. 5 ppm
sulfates (SO_4)	max. 2 ppm
calcium (Ca)	max. 0,5 ppm
copper (Cu)	max. 0,1 ppm
heavy metals (as Pb)	max. 0,5 ppm
iron (Fe)	max. 0,1 ppm
lead (Pb)	max. 0,05 ppm
magnesium (Mg)	max. 0,1 ppm
potassium (K)	max. 0,5 ppm
sodium (Na)	max. 0,5 ppm
pyridine and related substances	max. 2 ppm
oxidisable substances	passes test
residue on ignition	max. 0,002 %
residue on evaporation	max. 0,001 %

ART. NO.	VOLUME	CONTAINER
AM02561000	1 l	
AM02562500	2,5 l	
AM0256005P	5 l	

AMMONIA, SOLUTION 25%

- Synonyms: Ammonia water, Ammonium hydroxide solution
- NH_3
- M = 17,03 g/mol
- CAS [1336-21-6]
- EINECS-No.: 215-647-6
- Density: 0,90 g/cm³
- Melting point: -57,5 °C
- Boiling point: 37,7 °C
- Vapour pressure: (20 °C) ~ 500 hPa
- LD 50 (oral, rat): 350 mg/kg
- EC-Index-No.: 007-001-01-2
- ADR: 8 C5 III UN 2672
- IMDG: 8 III UN 2672
- IATA/ICAO: 8 III UN 2672
- GHS-signal word: Danger
- GHS-H sentences: H314 - H400 - H335
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2814 20 00 00
- Applications: analytical chemistry, laboratory reagent.

AM0257 Ammonia, solution 25% w/w, EssentQ®

assay (acidimetric, NH_3)	min. 25 %
density (20°/20°)	0,900 - 0,910
residue on evaporation	max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AM02571000	1 l	

ART. NO.	VOLUME	CONTAINER
AM0257005P	5 l	

AM0250 Ammonia, solution 25% w/w, extra pure, Pharmpur®, Ph Eur

assay (acidimetric, NH_3)	25,0 - 30,0 %
identification	passes test
appearance of solution	clear and colourless
carbonates (as CO_2)	max. 60 ppm
chlorides (Cl)	max. 1 ppm
sulfates (SO_4)	max. 5 ppm
iron (Fe)	max. 0,25 ppm
pyridine and related substances	max. 2 ppm
oxidisable substances	passes test
residue on evaporation	max. 20 ppm

Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AM02501000	1 l	
AM02502500	2,5 l	
AM0250005P	5 l	

AM0249 Ammonia, solution 25% w/w, ExpertQ®, for analysis, Reag. Ph Eur

assay (acidimetric, NH_3)	25,0 - 30,0 %
density (20°/20°)	0,892 - 0,910
appearance of solution	clear and colourless
carbonates (as CO_2)	max. 0,001 %
chlorides (Cl)	max. 0,5 ppm
phosphates (as PO_4)	max. 0,5 ppm
silicates (SiO_2)	max. 0,001 %
sulfates (SO_4)	max. 2 ppm
calcium (Ca)	max. 0,5 ppm
copper (Cu)	max. 0,1 ppm
iron (Fe)	max. 0,1 ppm
lead (Pb)	max. 0,05 ppm
magnesium (Mg)	max. 0,1 ppm
potassium (K)	max. 0,5 ppm
sodium (Na)	max. 0,5 ppm
pyridine and related substances	max. 2 ppm
substances reducing $KMnO_4$	max. 8 ppm
oxidisable substances	passes test
residue on evaporation	max. 0,001 %

ART. NO.	VOLUME	CONTAINER
AM02491000	1 l	
AM02492500	2,5 l	
AM0249005P	5 l	
AM0249025P	25 l	