

Ammonia 28% AnalR NORMAPUR® analytical reagent

Assay	28.0 to 32.0 %	Colouration	Max. 10 APHA
Density (20/4)	0.880 to 0.910	Evaporation residue	Max. 10 ppm
Substances reducing KMnO ₄ (as O)	Max. 4 ppm	Silica	Max. 10 ppm
Cl (Chloride)	Max. 0.5 ppm	CO ₃ (Carbonate)	Max. 10 ppm
NO ₂ (Nitrite)	Max. 2 ppm	PO ₄ (Phosphate)	Max. 0.5 ppm
S (Sulphide)	Max. 0.1 ppm	SO ₄ (Sulphate)	Max. 2 ppm
Al (Aluminium)	Max. 0.03 ppm	As (Arsenic)	Max. 0.01 ppm
B (Boron)	Max. 0.02 ppm	Ba (Barium)	Max. 0.02 ppm
Be (Beryllium)	Max. 0.01 ppm	Ca (Calcium)	Max. 0.3 ppm
Cd (Cadmium)	Max. 0.01 ppm	Co (Cobalt)	Max. 0.01 ppm
Cr (Chromium)	Max. 0.02 ppm	Cu (Copper)	Max. 0.02 ppm
Fe (Iron)	Max. 0.1 ppm	Hg (Mercury)	Max. 0.01 ppm
K (Potassium)	Max. 0.1 ppm	Li (Lithium)	Max. 0.01 ppm
Mg (Magnesium)	Max. 0.05 ppm	Mn (Manganese)	Max. 0.01 ppm
Mo (Molybdenum)	Max. 0.02 ppm	Na (Sodium)	Max. 2.0 ppm
Ni (Nickel)	Max. 0.02 ppm	Pb (Lead)	Max. 0.02 ppm
Sr (Strontium)	Max. 0.01 ppm	Ti (Titanium)	Max. 0.05 ppm
V (Vanadium)	Max. 0.01 ppm	Zn (Zinc)	Max. 0.02 ppm
Zr (Zirconium)	Max. 0.05 ppm	Conforms to BDH 10012	Passes test
Conforms to BDH 10440	Passes test		

Cat. No.	Pk	Pack type
21190.246	1 l	Glass bottle SAFEBREAK
21190.292	1 l	Glass bottle
21190.326	2,5 l	Glass bottle SAFEBREAK
21190.361	5 l	Fluorinated plastic bottle

Ammonia 28% GPR RECTAPUR®

Assay	28 to 32 %
Density (20/4)	0.880 to 0.910
Evaporation residue	Max. 0.02 %
Heavy metals (as Pb)	Max. 10 ppm
Cl (Chloride)	Max. 10 ppm
SO ₄ (Sulphate)	Max. 20 ppm
Fe (Iron)	Max. 5 ppm

Cat. No.	Pk	Pack type
21182.294	1 l	Glass bottle
21182.363	5 l	Fluorinated plastic bottle

Ammonia 28% VLSI Selectipur® for the electronics industry

Cat. No.	Pk	Pack type
51151931.	2,5 l	Plastic bottle

This product is not available in all countries. Please check with your local VWR International office or supplier.

Ammonia 28% SLSI 100 Selectipur® for the electronics industry

Cat. No.	Pk	Pack type
56996823.	166 kg	Plastic drum

This product is not available in all countries. Please check with your local VWR International office or supplier.

Ammonia 28% SLSI Selectipur® for the electronics industry

Cat. No.	Pk	Pack type
51152938.	2,5 l	Plastic bottle

This product is not available in all countries. Please check with your local VWR International office or supplier.

Ammonia 25% AnalR NORMAPUR® analytical reagent

Assay	Min. 25.0 %	Evaporation residue	Max. 20 ppm
Substances reducing KMnO ₄ (as O)	Max. 8 ppm	Total S (as SO ₄)	Max. 1 ppm
Cl (Chloride)	Max. 0.5 ppm	CO ₃ (as CO ₂)	Max. 15 ppm
PO ₄ (Phosphate)	Max. 1 ppm	Ca (Calcium)	Max. 1 ppm
Cd (Cadmium)	Max. 0.1 ppm	Cu (Copper)	Max. 0.1 ppm
Fe (Iron)	Max. 0.1 ppm	K (Potassium)	Max. 1 ppm
Mn (Manganese)	Max. 0.01 ppm	Na (Sodium)	Max. 2 ppm
Pb (Lead)	Max. 0.1 ppm	Zn (Zinc)	Max. 0.1 ppm

Cat. No.	Pk	Pack type
1133.1000	1 l	Glass bottle
1133.2500	2,5 l	Glass bottle

Ammonia 25% GPR RECTAPUR®

Assay	Min. 25 %
Non-volatile residue	Max. 100 ppm
Cl (Chloride)	Max. 50 ppm
SO ₄ (Sulphate)	Max. 50 ppm
Fe (Iron)	Max. 5 ppm
Pb (Lead)	Max. 5 ppm

Cat. No.	Pk	Pack type
271402T	2,5 l	Plastic bottle

Ammonia 25% TECHNICAL

Assay	24 to 26 %
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Cat. No.	Pk	Pack type
21191.364	5 l	Fluorinated plastic bottle
21191.450	17 kg	Plastic drum

Ammonia (10 - < 25%)

Danger

H314 H335 H400
P280 P273 P301+P330+P331 P305+P351+P338
P309+P310

CAS 1336-21-6

Index 007-001-01-2

EINECS: 215-647-6

UN: 2672

ADR 8,III

NH₃

M.W. 35.05 g/mol

Density: 0.92 g/cm³ (20 °C)

Storage Temperature: Ambient temperature



Ammonia 20% NORMATOM® for trace metal analysis

Assay	20 to 22 %	Colouration	Max. 10 APHA
Cl (Chloride)	Max. 0.5 ppm	PO ₄ (Phosphate)	Max. 0.05 ppm
SO ₄ (Sulphate)	Max. 1 ppm	Ag (Silver)	Max. 0.5 ppb
Al (Aluminium)	Max. 1 ppb	As (Arsenic)	Max. 1 ppb
Au (Gold)	Max. 0.5 ppb	Ba (Barium)	Max. 0.1 ppb
Be (Beryllium)	Max. 0.1 ppb	Bi (Bismuth)	Max. 0.1 ppb
Ca (Calcium)	Max. 1 ppb	Cd (Cadmium)	Max. 0.5 ppb
Ce (Cerium)	Max. 0.1 ppb	Co (Cobalt)	Max. 0.5 ppb
Cr (Chromium)	Max. 0.5 ppb	Cs (Cesium)	Max. 0.1 ppb
Cu (Copper)	Max. 0.5 ppb	Dy (Dysprosium)	Max. 0.1 ppb
Er (Erbium)	Max. 0.1 ppb	Eu (Europium)	Max. 0.1 ppb
Fe (Iron)	Max. 1 ppb	Ga (Gallium)	Max. 0.1 ppb
Gd (Gadolinium)	Max. 0.1 ppb	Ge (Germanium)	Max. 0.1 ppb
Hg (Mercury)	Max. 0.1 ppb	Ho (Holmium)	Max. 0.2 ppb
In (Indium)	Max. 0.1 ppb	K (Potassium)	Max. 1 ppb
La (Lanthanum)	Max. 0.1 ppb	Li (Lithium)	Max. 0.1 ppb
Lu (Lutetium)	Max. 0.1 ppb	Mg (Magnesium)	Max. 1 ppb
Mn (Manganese)	Max. 0.5 ppb	Mo (Molybdenum)	Max. 0.5 ppb
Na (Sodium)	Max. 1 ppb	Nb (Niobium)	Max. 0.1 ppb
Nd (Neodymium)	Max. 0.1 ppb	Ni (Nickel)	Max. 0.5 ppb
Pb (Lead)	Max. 0.1 ppb	Pr (Praseodymium)	Max. 0.1 ppb
Rb (Rubidium)	Max. 0.1 ppb	Rh (Rhodium)	Max. 0.5 ppb
Sb (Antimony)	Max. 0.5 ppb	Sc (Scandium)	Max. 0.1 ppb
Se (Selenium)	Max. 1 ppb	Sm (Samarium)	Max. 0.1 ppb
Sn (Tin)	Max. 0.5 ppb	Sr (Strontium)	Max. 0.1 ppb
Tb (Terbium)	Max. 0.1 ppb	Te (Tellurium)	Max. 0.1 ppb
Th (Thorium)	Max. 0.1 ppb	Ti (Titanium)	Max. 0.5 ppb
Tl (Thallium)	Max. 0.1 ppb	Tm (Thulium)	Max. 0.1 ppb
U (Uranium)	Max. 0.1 ppb	V (Vanadium)	Max. 0.5 ppb
W (Tungsten)	Max. 0.1 ppb	Y (Yttrium)	Max. 0.1 ppb
Yb (Ytterbium)	Max. 0.1 ppb	Zn (Zinc)	Max. 0.5 ppb
Zr (Zirconium)	Max. 0.1 ppb		

Cat. No.	Pk	Pack type
83870.270	500 ml	Plastic bottle