

Material	21190.326
Material description	Ammonia 28%
Grade	AnalaR NORMAPUR
CAS Number	1336-21-6
Molecular formula	NH ₄ OH
Molecular mass	35.05

Characteristics	Specifications
Assay	28.0 - 32.0 %
Colouration	≤ 10 APHA
Density (20/4)	0.880 - 0.910
Evaporation residue	≤ 10 ppm
Silica	≤ 10 ppm
Substances reducing KMnO ₄ (as O)	≤ 4 ppm
Cl (Chloride)	≤ 0.5 ppm
CO ₃ (Carbonate)	≤ 10 ppm
NO ₂ (Nitrite)	≤ 2 ppm
PO ₄ (Phosphate)	≤ 0.5 ppm
S (Sulphide)	≤ 0.1 ppm
SO ₄ (Sulphate)	≤ 2 ppm
Al (Aluminium)	≤ 0.03 ppm
As (Arsenic)	≤ 0.01 ppm
B (Boron)	≤ 0.02 ppm
Ba (Barium)	≤ 0.02 ppm
Be (Beryllium)	≤ 0.01 ppm
Ca (Calcium)	≤ 0.3 ppm
Cd (Cadmium)	≤ 0.01 ppm
Co (Cobalt)	≤ 0.01 ppm
Cr (Chromium)	≤ 0.02 ppm
Cu (Copper)	≤ 0.02 ppm
Fe (Iron)	≤ 0.1 ppm
Hg (Mercury)	≤ 0.01 ppm
K (Potassium)	≤ 0.1 ppm
Li (Lithium)	≤ 0.01 ppm
Mg (Magnesium)	≤ 0.05 ppm
Mn (Manganese)	≤ 0.01 ppm

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For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.



Characteristics	Specifications
Mo (Molybdenum)	≤ 0.02 ppm
Na (Sodium)	≤ 2.0 ppm
Ni (Nickel)	≤ 0.02 ppm
Pb (Lead)	≤ 0.02 ppm
Sr (Strontium)	≤ 0.01 ppm
Ti (Titanium)	≤ 0.05 ppm
V (Vanadium)	≤ 0.01 ppm
Zn (Zinc)	≤ 0.02 ppm
Zr (Zirconium)	≤ 0.05 ppm

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

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