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# Specification

<b>Product</b>	<b>Ammonia solution 25 %</b>
<b>Brand</b>	Labochem

Quality	pure EP
Product number	LC-6572
Synonyms	Ammonium hydroxide solution
Formula	NH <sub>3</sub>
Molecular weight	17.03 g/mol
CAS number	1336-21-6
Storage	below 25°C

We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP 9.0).

<b>Parameter</b>	<b>Specification</b>
Appearance of solution	passes test
Assay (acidimetric)	25.0 - 30.0 %
Identity	passes test
Density (20/20°C)	0.892 - 0.910
Carbonate (as CO <sub>2</sub> )	max. 0.006 %
Chloride (Cl)	max. 0.00010 %
Sulfate (SO <sub>4</sub> )	max. 0.0005 %
Pyridine and related substances	max. 0.0002 %
Heavy metals (as Pb)	max. 0.00010 %
Cu (Copper)	max. 0.00005 %
Fe (Iron)	max. 0.000025 %
Subst. reducing KMnO <sub>4</sub>	max. 0.00075 %
Residual solvents (ICH Q3C)	excluded by production process
Evaporation residue	max. 0.0018 %
Residue on ignition (as SO <sub>4</sub> )	max. 0.002 %

Einhausen, 25.01.2019