

## Certificate of Analysis

**Material :** 24708.292  
**Batch :** 12L120043

Hydroxylammonium chloride AnalAR NORMAPUR Reag. Ph. Eur.  
**Expires end of** 12/2017

CHARACTERISTICS	SPECIFICATIONS	MEASURED VALUES
Assay	Min. 99,0 %	99,7 %
Solubility in alcohol	Passes test	Passes test
Free acidity	Max. 0,25 meq/g	Max. 0,25 meq/g
pH (20°C; 5 %)	2,5 --> 3,5	3,0
Heavy metals (as Pb)	Max. 5 ppm	Max. 5 ppm
Ignition residue (SO <sub>4</sub> )	Max. 100 ppm	< 1 ppm
Insolubility in water	Max. 50 ppm	Max. 50 ppm
NH <sub>4</sub> (Ammonium)	Max. 0,1 %	Max. 0,1 %
SO <sub>4</sub> (Sulphate)	Max. 20 ppm	Max. 20 ppm
As (Arsenic)	Max. 1 ppm	Max. 1 ppm
Cu (Copper)	Max. 10 ppm	< 1 ppm
Fe (Iron)	Max. 5 ppm	1 ppm
Pb (Lead)	Max. 5 ppm	< 1 ppm
Conforms to BDH 10129	Passes test	Passes test

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

BDL : Below detected limit.

Wendy Mathues, Head of laboratory - Haasrode  
 VWR International  
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