

TIQ-F-QC-003
 Rev.00

Technical Data Sheet

HYDROXYLAMINE HYDROCHLORIDE 99 % AR

Hydroxylammonium chloride



Product Code	O-5100	Grade	Analytical Reagent
Purity	99 %	CAS No	5470-11-1
Molecular Formula	NH ₂ OH · HCl	Molecular Weight	69,49 g/mol
H.S.Code	2825.1090	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline, powder, chunks	Odor	Slight chlorine
Colour	white	Decomposition temperature	> 150 °C
pH value	2,5 - 3,5 at 50 g/l at 20 °C	Solubility in water	470 g/l at 20 °C
Melting point	155 - 157 °C	Density	1,67 g/cm ³ at 25 °C
Vapour pressure	0,001 hPa at 50 °C		

Packaging

100 gram & 500 gram

Specification

Appearance	Colorless hygroscopic solids or white crystalline powder
Assay (manganometric)	min 99.0 %
Clarity of solution (1 g in 25 ml ethanol)	passes test
pH (5%, Solution in water)	2.5 - 3.5
Sulphur compounds (as SO ₄)	max 0.005 %
Heavy metals (as Pb)	max 0.0005 %
Iron (Fe)	max 0.0005 %
Ammonium (NH ₄)	passes test
Copper (Cu)	max 0.001 %
Residu on ignition (as SO ₄)	max 0.05%
Titrate free acid	max 0.25 meq/g

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08, GHS09

Signal Word: warning

UN No.: 3260

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H272-H290-H314-H331

Precaution Statement: P210-P220-P280-P303+P361+P353-P304+P340+P310-P305+P351+P338

Labotiq