

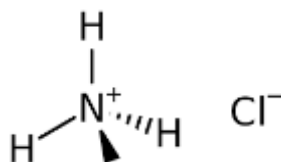
TIQ-F-QC-003

Rev.00

Technical Data Sheet**AMMONIUM CHLORIDE 99,5 AR**

Ammonium Chloratum; Ammonium Chloridum; Ammonium Muriate; Sal Ammoniac;

Salmiac.



Product Code	O-5020	Grade	Analytical Reagent
Purity	99,5 %	CAS No	12125-02-9
Molecular Formula	NH ₄ Cl	Molecular Weight	53.49 g/mol
H.S.Code	2827.1000	Shelf Life	60 Months

Physical Properties

Physical state	solid	Melting point	338°C
Colour	White	pH	5 – 5,5 at 25 °C
Boiling point	520 °C	Vapour pressure	1,3 hPa at 160,4 °C 1,3 hPa at 30 °C
Solubility in water	372 g/l at 20 °C	Auto-ignition temperature	>400 °C

Packaging

500 gram

Specification

Appearance	White crystalline powder
Assay (as NH ₄ Cl; on anhydrous basis)	min 99.5 %
pH (5% Solution in water at 25 °C)	4.5 – 5.5
Insoluble matter (10 % in water)	max 0.005 %
Residu after ignition	max 0.01 %
Sulphate (SO ₄)	max 0.002 %
Phosphate (PO ₄)	max 0.0002 %
Calcium (Ca)	max 0.001 %
Magnesium (Mg)	max 0.0005 %
Heavy metals (as Pb)	max 0.0005 %
Iron (Fe)	max 0.0002 %
Nitrate (NO ₃)	max 0.0005 %

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: warning

UN No.: not applicable

IMCO Class No.:not applicable

Packing Group: not applicable

Hazardous Statement: H302-H319

Precaution Statement: P264-P270-P280-P301+P312-P505+P351+P338-P337+P313