



PRODUCT CODE: 131914

Hydroxylammonium Chloride (Reag. Ph. Eur.) for analysis, ACS, ISO

H₄CINO
(NH₃OH)Cl

M. = 69,49

CAS [5470-11-1]

EINECS 226-798-2

TARIC 2825 10 00 90

SYNONYMS: Hydroxylamine Hydrochloride

PHYSICAL DATA: crystalline powder, crystals, White, Soluble in water 1.000 g/l at 20 °C D 1,67 • M.P.: 151 °C • pH(0.2 M sol.)_{3,2} •

BIBLIOGRAPHY: Merck Index **12**, 4.874 13, 4.853 Sax **HLN000** • Römp **8** , **1806** • Ullmann (**5.**)₁₃ , 528 • Fieser **1478 2217 7176 9245 11257 15170** • ACS **XI** • ISO 6353/2-1983R - 15 , 21 •

HAZARDOUS: C.E: 612-123-00-2 • RTECS: NC 3675000 • LD50 oral mus 408 mg/kg • LD50 ipr mus 10 mg/kg



H: H290 • H351 • H312 • H302 • H373 • H319 • H315 • H317 • H400 •

P: P201 • P202 • P234 • P260 • P261 • P264 • P270 • P272 • P273 • P280 • P281 • P301+P312 • P302+P352 • P305+P351+P338 • P308+P313 • P312 • P314 • P321 • P322 • P330 • P332+P313 • P333+P313 • P337+P313 • P362 • P363 • P390 • P391 • P405 • P406 • P501 •

TRANSPORT REGULATIONS: UN: 1759 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 860 • CAO: 864 • (E) •

SPECIFICATIONS:

Minimum assay (Perm.)

99,5%

| | |
|-------------------|---------|
| pH of 5% solution | 2,5-4,0 |
|-------------------|---------|

Maximum limit of impurities

| | |
|---------|------------|
| Acidity | 0,25 meq/g |
|---------|------------|

| | |
|--|----------|
| Insoluble matter in C ₂ H ₅ OH | 0,005 % |
| Insoluble matter in H ₂ O | 0,005 % |
| Residue on ignition (as SO ₄) | 0,01 % |
| Sulfur compounds (as SO ₄) | 0,002 % |
| Ammonium (NH ₄) | 0,05% |
| As | 0,0001 % |
| Heavy metals (as Pb) | 0,0005% |

Metals by ICP [in mg/Kg (ppm)]

| | |
|----|----|
| Bi | 5 |
| Cd | 5 |
| Co | 5 |
| Cr | 5 |
| Cu | 5 |
| Fe | 5 |
| Ga | 5 |
| Ge | 5 |
| In | 5 |
| K | 50 |
| Mg | 5 |
| Mn | 5 |
| Na | 50 |
| Ni | 5 |
| Pb | 5 |
| Sr | 5 |
| Tl | 5 |
| V | 5 |
| Zn | 5 |
| Zr | 5 |