

**CL00.0368**

ANALYT

**Hydrochloric acid 25% a.r.**

Chloorwaterstofzuur 25% p.a.  
Salzsäure 25% z.A.  
Acido clorhídrico 25% p.a.  
Acido cloridrico 25% p.a.  
Acide chlorhydrique 25% p.a.

**For laboratory use, Ph. Eur, Ph. Helv., USP  
25+% HCl**

Mol weight: 36.46 g/mol  
Density: 1,12 g/ml  
HS Nr: 28061000  
CAS Nr: 7647-01-0  
UN: 1789  
ADR: 8,II



**Specifications:**

Assay	>25%
Appearance of the solution	: passes test
Residue after Ignition	<0.0005%
Residue after Evaporation	<0.005%
Colour	<10 APHA
Heavy Metals as Lead (Pb)	<0.0001%
Aluminium (Al)	<0.000005%
Arsenic (As)	<0.000001%
Barium (Ba)	<0.000002%
Beryllium (Be)	<0.00002%
Bismuth (Bi)	<0.00001%
Calcium (Ca)	<0.00005%
Cadmium (Cd)	<0.000001%
Cobalt (Co)	<0.000001%
Iron (Fe)	<0.00002%
Potassium (K)	<0.00001%
Chromium (Cr)	<0.000002%
Copper (Cu)	<0.000002%
Germanium (Ge)	<0.000005%
Lithium (Li)	<0.000001%
Magnesium (Mg)	<0.00001%
Manganese (Mn)	<0.000001%
Mercury (Hg)	<0.000004%
Molybdenum (Mo)	<0.000002%
Sodium (Na)	<0.00005%
Nickel (Ni)	<0.00002%
Lead (Pb)	<0.000002%
Strontium (Sr)	<0.000001%
Titanium (Ti)	<0.00001%
Thallium (Tl)	<0.000005%
Vanadium (V)	<0.000001%
Zinc (Zn)	<0.000005%
Zirconium (Zr)	<0.00001%
Bromide (Br)	<0.005%
Free Chlorine	<0.00005%
Phosphate (PO <sub>4</sub> )	<0.00005%
Sulfate (SO <sub>4</sub> )	<0.0001%
Sulfite (SO <sub>3</sub> )	<0.0001%
Ammonium (NH <sub>4</sub> )	<0.0001%
Residual Solvents (Ph Eur./ICH)	: Excluded by prod. process