

**neoFroxx GmbH**

Marie-Curie-Str. 3  
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## Specification

<b>Product</b>	<b>Hydrochloric acid fuming 37 % p.A.</b>
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Product number	LC-7093 (revised)
Synonym(s)	Muriatic acid, Spirits of salt, Hydronium chloride
Formula	HCl
Molecular weight	36.46 g/mol
CAS number	7647-01-0
Storage	below 25°C
Retest period (months)	48

Parameter	Specification
Assay (alkalimetric)	37.0 - 38.0 %
Identity	passes test
Colour	max. 10 Hazen
Appearance	passes test
Ammonium (NH <sub>4</sub> )	max. 1 ppm
Bromide (Br)	max. 50 ppm
Free chlorine (Cl)	max. 0.4 ppm
Phosphate (PO <sub>4</sub> )	max. 0.5 ppm
Sulfate (SO <sub>4</sub> )	max. 0.5 ppm
Sulfite (SO <sub>3</sub> )	max. 0.5 ppm
Heavy metals (as Pb)	max. 1 ppm
Ag	max. 0.020 ppm
Al	max. 0.050 ppm
As	max. 0.010 ppm
Au	max. 0.050 ppm
B	max. 0.100 ppm
Ba	max. 0.010 ppm
Be	max. 0.010 ppm
Bi	max. 0.050 ppm
Ca	max. 0.300 ppm
Cd	max. 0.010 ppm
Co	max. 0.010 ppm
Cr	max. 0.010 ppm
Cu	max. 0.010 ppm
Fe	max. 0.100 ppm
Ga	max. 0.050 ppm
Ge	max. 0.020 ppm

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Parameter	Specification
Hg	max. 0.010 ppm
K	max. 0.100 ppm
Li	max. 0.010 ppm
Mg	max. 0.050 ppm
Mn	max. 0.010 ppm
Mo	max. 0.010 ppm
Na	max. 0.300 ppm
Ni	max. 0.020 ppm
Pb	max. 0.010 ppm
Pt	max. 0.100 ppm
Sn	max. 0.050 ppm
Sr	max. 0.010 ppm
Ti	max. 0.020 ppm
Tl	max. 0.020 ppm
V	max. 0.010 ppm
Zn	max. 0.050 ppm
Zr	max. 0.020 ppm
Extractable organic subst.	max. 5 ppm
Residue on ignition (as SO <sub>4</sub> )	max. 3 ppm
Non volatile matter	max. 10 ppm

Einhausen, 30.11.2023 (revised)