



Specification

1.10164.0000 Hydrochloric acid 6 mol/L EMPROVE® EXPERT

Specification		
Concentration (HCl)	5.7 - 6.3	mol/l
Identity	passes test	
Color	≤ 10	Hazen
Appearance	passes test	
Free Bromine or Free Chlorine	passes test	
Free chlorine (Cl)	≤ 0.0001	%
Sulfate (SO ₄)	≤ 0.0005	%
Sulfite (SO ₃)	≤ 0.001	%
As (Arsenic)	≤ 0.00015	%
Residual solvents (ICH Q3C)	...excluded by production process	
Residue on ignition (as SO ₄)	≤ 0.008	%
Evaporation residue	≤ 0.01	%
Endotoxins	≤ 0.25	I.U./ml
Lotnumber (raw material)		
Filtered with 0.2 µm		

Manufactured from Hydrochloric acid fuming 37% EMPROVE® ESSENTIAL PhEur, BP, JP, NF and purified water acc. PhEur, JP.

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities). Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).

Christian Herrmann

Responsible laboratory manager quality control

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