



Specification

1.00314.0000 Hydrochloric acid fuming 37% EMPROVE® ESSENTIAL Ph Eur,BP,ChP, JP,NF

	Specification	
Assay (alkalimetric)	36.5 - 38.0	%
Identity	passes test	
Appearance of solution	passes test	
Bromide, Iodide (Br,I)	passes test	
Bromide or iodide (ChP)	passes test	
Free bromine or chlorine (NF-meth.)	passes test	
Free chlorine or bromine (ChP)	passes test	
Free chlorine (Cl)	≤ 0.0001	%
Sulfate (SO ₄)	≤ 0.0005	%
Sulfite (SO ₃)	≤ 0.0010	%
Heavy metals (as Pb)	≤ 0.0001	%
As (Arsenic)	≤ 0.00010	%
Ca (Calcium)	≤ 0.0010	%
Fe (Iron)	≤ 0.0001	%
Hg (Mercury)	≤ 0.000004	%
Residual solvents (ICH Q3C)	...excluded by production process	
Residue on ignition (as SO ₄)	≤ 0.002	%
Evaporation residue	≤ 0.005	%

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 (*).

Corresponds Ph Eur, BP, ChP, JP, NF

Expiry date : see product label

Christian Herrmann

Responsible laboratory manager quality control

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