

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product Hydrochloric acid, 37%, extra pure, Pharmapur®, Ph Eur, BP, NF, JP

Batch 19327708

AC0736

Quality release date 06/11/2018

Expiry date 11/2023

Analysis	Batch value	Specifications
Assay (Acidimetric)	37,86 %	36,5 - 38,0
Identification	passes test	passes test
Appearance of solution	clear and colourless	clear and colourless
Bromine or chlorine	passes test	passes test
Bromide or iodide	passes test	passes test
Free bromine or chlorine	passes test	passes test
Free chlorine (as Cl)	< 0,0004 %	≤ 0,0004
Sulfates (SO ₄)	< 0,0020 %	≤ 0,0020
Sulfates (SO ₄)	passes test	passes test
Sulfites (SO ₃)	passes test	passes test
Arsenic (As)	< 0,0001 %	≤ 0,0001
Mercury (Hg)	< 0,000004 %	≤ 0,000004
Residue on ignition (as SO ₄)	< 0,008 %	≤ 0,008
Residue on evaporation	< 0,01 %	≤ 0,01

Residual solvents are analysed according to guideline CPMP/ICH/283/95.

Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.