

**Scharlab S.L.**

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CERTIFICATE OF ANALYSIS

Product Hydroxylamine hydrochloride, ExpertQ®, ACS, ISO

Batch 20312201

HI0215

Quality release date 12/11/2019

Expiry date 11/2022

Analysis	Batch value	Specifications
Assay (Permanganometric)	99,49 %	≥ 99,0
Identity (IR-Spectrum)	passes test	passes test
Insoluble in C ₂ H ₅ OH	passes test	passes test
Insoluble in water	passes test	passes test
pH (5 %, H ₂ O)	3,14	2,5 - 4,0
Acidity	0,02201 meq/g	≤ 0,25
Sulfates (SO ₄)	< 0,0020 %	≤ 0,002
Ammonium (NH ₄)	passes test	passes test
Arsenic (As)	< 0,0005 %	≤ 0,0005
Copper (Cu)	< 0,0005 %	≤ 0,0005
Heavy metals (as Pb)	< 0,0005 %	≤ 0,0005
Iron (Fe)	< 0,0005 %	≤ 0,0005
Lead (Pb)	< 0,001 %	≤ 0,001
Sulphur compounds (as SO ₄)	< 0,005 %	≤ 0,005
Residue on ignition	< 0,01 %	≤ 0,01

Results marked with # are out of specifications.

This certificate does not exempt the user from checking the results upon receipt of the goods.

Any copy of our CoA may be obtained from our website at www.scharlab.comSara Garcia Maldonado
Laboratory Technician