



Fenton Woods Consulting, LLC
Tel: (860) 428 6020

Certificate of Analysis

Product: 36% Hydrochloric Acid

Distributor: Alchamie Labs Inc.

Lot Number: 20220624

Expiration Date: Not provided.

Compound Tested: Hydrochloric Acid

Testing Rational: Identification of material and screen of inorganic impurities.

Molecular Formula: HCl

Molecular Weight: 36.46 g/mol

Chemical Abstracts Service (CAS) Number: 7647-01-0

Test

Appearance

Concentration (Titration)

Inorganic Analysis (ICP-MS and ICP-OES)

Specification

Clear Liquid Solution

36.00-38.00 wt%

Results

Clear Liquid Solution (no solids)

37.08 wt% \pm 0.03 wt%

Ag	< 0.100 ppb	Co	< 0.100 ppb	Na	< 0.100 ppb
Al	< 0.100 ppb	Cr	< 0.100 ppb	Ni	< 0.100 ppb
As	207.160 ppb	Cu	< 0.100 ppb	Pb	3.522 ppb
B	< 0.100 ppb	Fe	0.812 ppb	Se	< 0.100 ppb
Ba	< 0.100 ppb	Hg	< 0.100 ppb	Sr	< 0.100 ppb
Be	< 0.100 ppb	K	< 0.100 ppb	Tl	< 0.100 ppb
Ca	< 0.100 ppb	Li	11.673	V	< 0.100 ppb
Cd	< 0.100 ppb	Mg	< 0.100 ppb	Zn	< 0.100 ppb
Ce	< 0.100 ppb	Mn	< 0.100 ppb		

Signature: Lei Jin

Date: 10/31/2022

Name: Lei Jin, PhD

Title: Senior Quality Manager