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Columbus, OH 43228
USA

Certificate of Analysis

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Product name: Veritas Trace Hydrochloric Acid

Item #: 7110

Lot #: 24002385

Certified Values:

Specifications	Status	Results
Assay 34 - 37 % w/v	Pass	35
Color (APHA) 10 Max	Pass	<10
Bromide (Br) 10 ppm Max	Pass	<10
Free Chlorine (Cl ₂) 0.5 ppm Max	Pass	<0.5
Total Phosphorous (P) 0.01 ppm Max	Pass	<0.01
Total Sulfur (S) 0.3 ppm Max	Pass	<0.3
Aluminum (Al) 1 ppb Max	Pass	<1
Antimony (Sb) 0.5 ppb Max	Pass	<0.5
Arsenic (As) 0.5 ppb Max	Pass	<0.5
Barium (Ba) 0.1 ppb Max	Pass	<0.1
Beryllium (Be) 0.1 ppb Max	Pass	<0.1
Bismuth (Bi) 0.1 ppb Max	Pass	<0.1
Boron (B) 1 ppb Max	Pass	<1
Cadmium (Cd) 0.1 ppb Max	Pass	<0.1
Calcium (Ca) 1 ppb Max	Pass	<1
Cerium (Ce) 0.1 ppb Max	Pass	<0.1
Cesium (Cs) 0.1 ppb Max	Pass	<0.1
Chromium (Cr) 0.5 ppb Max	Pass	<0.5
Cobalt (Co) 0.1 ppb Max	Pass	<0.1
Copper (Cu) 0.5 ppb Max	Pass	<0.5
Dysprosium (Dy) 0.1 ppb Max	Pass	<0.1
Erbium (Er) 0.1 ppb Max	Pass	<0.1
Europium (Eu) 0.1 ppb Max	Pass	<0.1
Gadolinium (Gd) 0.1 ppb Max	Pass	<0.1
Gallium (Ga) 0.1 ppb Max	Pass	<0.1
Gold (Au) 0.5 ppb Max	Pass	<0.5
Hafnium (Hf) 0.1 ppb Max	Pass	<0.1
Holmium (Ho) 0.1 ppb Max	Pass	<0.1
Indium (In) 0.1 ppb Max	Pass	<0.1
Iron (Fe) 1 ppb Max	Pass	<1
Lanthanum (La) 0.1 ppb Max	Pass	<0.1
Lead (Pb) 0.1 ppb Max	Pass	<0.1
Lithium (Li) 0.1 ppb Max	Pass	<0.1
Lutetium (Lu) 0.1 ppb Max	Pass	<0.1
Magnesium (Mg) 0.5 ppb Max	Pass	<0.5
Manganese (Mn) 0.1 ppb Max	Pass	<0.1
Mercury (Hg) 0.1 ppb Max	Pass	<0.1
Molybdenum (Mo) 0.1 ppb Max	Pass	<0.1
Neodymium (Nd) 0.1 ppb Max	Pass	<0.1
Nickel (Ni) 0.5 ppb Max	Pass	<0.5
Niobium (Nb) 0.1 ppb Max	Pass	<0.1
Palladium (Pd)	Report	<0.5

Platinum (Pt)	Report	<0.5
Potassium (K) 1 ppb Max	Pass	<1
Praseodymium (Pr) 0.1 ppb Max	Pass	<0.1
Rhenium (Re) 0.1 ppb Max	Pass	<0.1
Rhodium (Rh) 0.1 ppb Max	Pass	<0.1
Rubidium (Rb) 0.1 ppb Max	Pass	<0.1
Ruthenium (Ru) 0.1 ppb Max	Pass	<0.1
Samarium (Sm) 0.1 ppb Max	Pass	<0.1
Scandium (Sc) 0.1 ppb Max	Pass	<0.1
Selenium (Se) 1 ppb Max	Pass	<1
Silver (Ag) 1 ppb Max	Pass	<1
Sodium (Na) 1 ppb Max	Pass	<1
Strontium (Sr) 0.1 ppb Max	Pass	<0.1
Tantalum (Ta)	Report	<1
Tellurium (Te) 0.1 ppb Max	Pass	<0.1
Terbium (Tb) 0.1 ppb Max	Pass	<0.1
Thallium (Tl) 0.1 ppb Max	Pass	<0.1
Thorium (Th) 0.1 ppb Max	Pass	<0.1
Thulium (Tm) 0.1 ppb Max	Pass	<0.1
Tin (Sn) 0.5 ppb Max	Pass	<0.5
Titanium (Ti) 0.5 ppb Max	Pass	<0.5
Tungsten (W) 0.1 ppb Max	Pass	<0.1
Uranium (U) 0.1 ppb Max	Pass	<0.1
Vanadium (V) 0.5 ppb Max	Pass	<0.5
Ytterbium (Yb) 0.1 ppb Max	Pass	<0.1
Yttrium (Y) 0.1 ppb Max	Pass	<0.1
Zinc (Zn) 1 ppb Max	Pass	<1
Zirconium (Zr) 0.1 ppb Max	Pass	<0.1
Appearance - Clear, colorless liquid	Pass	Pass

Comments

CoA #: COA-099313 **Best by:** May 21, 2026
Certificate Created By: Michael J. Firis **Print Date:** June 20, 2023
CoA Creation Date: May 23, 2023
Certified by: Aron Becza - Quality Assurance Manager

Aron Becza

Traceability:

This material was processed under a quality management system that is registered to ISO 9001:2015. The equipment used in the testing of material is NIST traceable. In cases where NIST traceability is not possible, equipment manufacturer recommendations and/or industry best practices are followed.

Not for direct use in food, cosmetics, finished pharmaceuticals or drug products. Supplier is not responsible for compliance with FDA Current Good Manufacturing Practices (cGMP), including without limitation for those finished drug products in 21 CFR Parts 210 and 211. Consult warranty limitations at www.gfschemicals.com For resale by GFS authorized distributors only.

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