

Certificate of Analysis

Product Name: HYDROFLUORIC ACID, 48%, REAGENT (ACS)
Item #: 931
Lot #: 21490075



Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 48.0 - 51.0 %	Pass	49.0
Fluosilicic acid (H ₂ SiF ₆) 0.01 % Max	Pass	< 0.01
Residue after ignition 0.0005 % Max	Pass	< 0.0005
Chloride 0.0005 % Max	Pass	< 0.0005
Phosphate 0.0001 % Max	Pass	< 0.0001
Sulfate and Sulfite (as SO ₄) 0.0005 % Max	Pass	< 0.0005
Arsenic 0.000005 % Max	Pass	< 0.000005
Copper 0.00001 % Max	Pass	< 0.00001
Heavy metals (Pb) 0.00005 % Max	Pass	< 0.00005
Iron 0.0001 % Max	Pass	< 0.0001

Status Pass

Comments

Certificate Create By: Karen Hirsch
Best by: December 7, 2026
Print Date: Apr 4, 2022

Signature on File

ISO 17025 Testing

All ISO 17025 testing is performed at GFS Chemicals, Inc. 800 Kaderly Dr, Columbus, OH 43228 USA
UV/Vis Spectrophotometer testing is performed according to ASTM method E169-16.

Not for direct use in food, cosmetics, finished pharmaceuticals or drug products. Supplier is not responsible for compliance with FDA Current Good Manufacturing Practice(cGMP) requirements, including without limitation those for finished drug products in 21 C.F.R Parts 210 and 211. Consult warranty limitations at www.gfschemicals.com/Terms-And-Conditions

For resale by GFS authorized distributors only.

GFS Chemicals, Inc. P.O. Box 245 Powell, OH 43065 * Signed Orig. Doc. On File
1-800-858-9682 (U.S. and Canada) 1-740-881-5501 (International) 1-740-881-5989 (Fax)

Turbidity testing is performed according to ASTM methods D6855-17 and ASTM D7315-17.
Conductivity testing is performed according to ASTM method D1125-14.
pH testing is performed according to ASTM method D1293-18.
Karl Fischer titration testing is performed according to ASTM methods E203-16 and E1064-16.

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