Certificate of Analysis

Product Name: FORMIC ACID, 88%, REAGENT (ACS)

Item #: 650 Lot #: C581707



Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 88.0 - %	Pass	90.4
Color (APHA) 15 Max	Pass	< 15
Dilution test 0	Pass	Pass Test
Residue after evaporation 0.002 % Max	Pass	< 0.002
Acetic acid (%) 0.4 % Max	Pass	< 0.4
Ammonium 0.005 % Max	Pass	< 0.005
Chloride 0.001 % Max	Pass	< 0.001
Sulfate 0.002 % Max	Pass	< 0.002
Sulfite 0	Pass	Pass Test
Heavy Metals (as Pb) 0.0005 % Max	Pass	< 0.0005
Iron 0.0005 % Max	Pass	< 0.0005

Status Pass

Comments

Certificate Create By: Troy Barker Signature on File

 Best by:
 June 3, 2025

 Print Date:
 Oct 6, 2022

ISO 17025 Testing

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

 $\underline{www.gfschemicals.com/Terms-And-Conditions}$

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)

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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. 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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