

Certificate of Analysis



Product Name: SULFURIC ACID, VERITAS REDISTILLED
Item #: 1512
Lot #: 19330112

Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 95.0 - 98.0 %	Pass	96.2
Color (APHA) 10 Max	Pass	< 10
Residue after ignition 0.0005 % Max	Pass	< 0.0005
Chloride 0.00002 % Max	Pass	< 0.00002
Nitrate 0.00005 % Max	Pass	< 0.00005
Ammonium 0.00005 % Max	Pass	< 0.00005
Heavy metals 0.00001 % Max	Pass	< 0.00001
Al 2.0 ppb Max	Pass	< 0.1
Sb 1.0 ppb Max	Pass	< 0.1
As 1.0 ppb Max	Pass	< 0.1
Ba 1.0 ppb Max	Pass	< 0.1
Be 1.0 ppb Max	Pass	< 0.1
Bi 1.0 ppb Max	Pass	< 0.1
B 1.0 ppb Max	Pass	< 0.1
Cd 1.0 ppb Max	Pass	< 1.0
Ca 2.0 ppb Max	Pass	< 0.1
Cr 1.0 ppb Max	Pass	< 0.1

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/statics/documents/aboutus/termsandconditions.html

For resale by GFS authorized distributors only.

Co 1.0 ppb Max	Pass	< 0.1
Cu 1.0 ppb Max	Pass	< 0.1
Ga 1.0 ppb Max	Pass	< 0.1
Ge 1.0 ppb Max	Pass	< 1.0
Au 1.0 ppb Max	Pass	< 0.1
Fe 5.0 ppb Max	Pass	0.1
Pb 1.0 ppb Max	Pass	< 0.1
Li 1.0 ppb Max	Pass	< 0.1
Mg 1.0 ppb Max	Pass	< 0.1
Mn 1.0 ppb Max	Pass	< 0.0
Mo 1.0 ppb Max	Pass	< 1.0
Ni 1.0 ppb Max	Pass	< 0.1
Nb 1.0 ppb Max	Pass	< 0.1
K 2.0 ppb Max	Pass	< 0.1
Ag 1.0 ppb Max	Pass	< 0.1
Na 2.0 ppb Max	Pass	< 0.1
Sr 1.0 ppb Max	Pass	< 0.1
Ta 1.0 ppb Max	Pass	< 0.1
Tl 1.0 ppb Max	Pass	< 0.1
Sn 1.0 ppb Max	Pass	< 0.1
Ti 1.0 ppb Max	Pass	< 1.0
V 2.0 ppb Max	Pass	< 1.0
Zn 2.0 ppb Max	Pass	< 0.1

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Zr 1.0 ppb Max	Pass	< 0.1
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Comments

Certificate Create By: Karen Hirsch
Best by: July 24, 2024
Print Date: March 16, 2020

Signature on File

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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)

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.

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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