Certificate of Analysis

Product Name: Item #: Lot #: NITRIC ACID, 69%, VERITAS REDISTILLED 63 22410004



Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 68.0 - %	Pass	69.4
Chloride 0.00001 % Max	Pass	< 0.00001
Sulfate 0.00001 % Max	Pass	< 0.00001
Arsenic 0.0000001 % Max	Pass	< 0.000001
Heavy Metals 0.000001 % Max	Pass	< 0.000001
Iron 0.000001 % Max	Pass	< 0.000001
Residue after ignition 0.0001 % Max	Pass	< 0.0001
Color (APHA) 10 Max	Pass	<10
AI 5.00 ppb Max	Pass	2.16
Ag 1.00 ppb Max	Pass	< 0.01
Au 1.00 ppb Max	Pass	< 0.01
B 10.00 ppb Max	Pass	0.90
Ba 2.00 ppb Max	Pass	< 0.01
Be 1.00 ppb Max	Pass	< 0.01
Bi 1.00 ppb Max	Pass	< 0.01
Ca 10.00 ppb Max	Pass	2.29

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.

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Cd 1.00 ppb Max	Pass	< 0.01
Ce 1.00 ppb Max	Pass	< 0.01
Co 1.00 ppb Max	Pass	< 0.01
Cr 1.00 ppb Max	Pass	< 0.01
Cs 1.00 ppb Max	Pass	< 0.01
Cu 2.00 ppb Max	Pass	< 0.01
Dy 1.00 ppb Max	Pass	< 0.01
Er 1.00 ppb Max	Pass	< 0.01
Eu 1.00 ppb Max	Pass	< 0.01
Fe 5.00 ppb Max	Pass	0.39
Ga 1.00 ppb Max	Pass	< 0.01
Gd 1.00 ppb Max	Pass	< 0.01
Ge 1.00 ppb Max	Pass	< 0.01
Hg 2.00 ppb Max	Pass	< 0.01
Ho 1.00 ppb Max	Pass	< 0.01
In 1.00 ppb Max	Pass	< 0.01
Ir 1.00 ppb Max	Pass	< 0.01
K 2.00 ppb Max	Pass	0.13
La 1.00 ppb Max	Pass	< 0.01
Li 1.00 ppb Max	Pass	0.04
Lu 1.00 ppb Max	Pass	< 0.01
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Mg 2.00 ppb Max	Pa	ass	0.80
Mn 1.00 ppb Max	Pa	ass	0.74
Mo 1.00 ppb Max	Pa	ass	< 0.01
Na 10.00 ppb Max	Pa	ass	0.73
Nd 1.00 ppb Max	Pa	ass	< 0.01
Ni 1.00 ppb Max	Pa	ass	< 0.01
Os 1.00 ppb Max	Pa	ass	< 0.01
Pb 1.00 ppb Max	Pa	ass	< 0.01
Pd 1.00 ppb Max	Pa	ass	< 0.01
Pr 1.00 ppb Max	Pa	ass	< 0.01
Pt 1.00 ppb Max	Pa	ass	< 0.01
Rb 1.00 ppb Max	Pa	ass	< 0.01
Rh 1.00 ppb Max	Pa	ass	< 0.01
Ru 1.00 ppb Max	Pa	ass	< 0.01
Sb 1.00 ppb Max	Pa	ass	< 0.01
Sc 1.00 ppb Max	Pa	ass	< 0.01
Se 1.00 ppb Max	Pa	ass	< 0.01
Sm 1.00 ppb Max	Pa	ass	< 0.01
Sn 1.00 ppb Max	Pa	ass	< 0.01
Sr 1.00 ppb Max	Pa	ass	< 0.01
Tb 1.00 ppb Max	Pa	ass	< 0.01
Te 1.00 ppb Max	Pa	ass	< 0.01

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Th 1.00 ppb Max	Pass	< 0.01
Ti 1.00 ppb Max	Pass	0.04
U 1.00 ppb Max	Pass	< 0.01
V 1.00 ppb Max	Pass	< 0.01
W 1.00 ppb Max	Pass	< 0.01
Y 1.00 ppb Max	Pass	< 0.01
Yb 1.00 ppb Max	Pass	< 0.01
Zn 5.00 ppb Max	Pass	< 0.01
Zr 1.00 ppb Max	Pass	< 0.01

Status

Pass

Comments

Pase

Certificate Create By:	Karen Hirsch
Best by:	September 16, 2027
Print Date:	Nov 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 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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