

# Certificate of Analysis

**Product Name:** PERCHLORIC ACID, 70%, VERITAS REDISTILLED  
**Item #:** 67  
**Lot #:** 22150019



## Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 69.0 - 72.0 %	Pass	69.4
Residue after ignition 0.001 % Max	Pass	< 0.001
Silicate and phosphate 0.0005 % Max	Pass	< 0.0005
Chloride 0.001 % Max	Pass	< 0.001
Nitrogen compounds (%) 0.001 % Max	Pass	< 0.001
Sulfate 0.001 % Max	Pass	< 0.001
Heavy Metals 0.00001 % Max	Pass	< 0.00001
Iron 0.000001 % Max	Pass	< 0.000001
Color (APHA) 10 Max	Pass	< 10
Al (ppb) 10 ppb	Pass	10.0
Ag (ppb) 10 ppb	Pass	< 0.1
As (ppb) 10 ppb	Pass	< 0.1
Au (ppb) 10 ppb	Pass	< 0.1
B (ppb) 10 ppb	Pass	69
Ba (ppb) 10 ppb	Pass	0.8
Be (ppb) 10 ppb	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/Terms-And-Conditions](http://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)

Bi (ppb) 10 ppb	Pass	< 0.1
Ca (ppb) 10 ppb	Pass	127
Cd (ppb) 10 ppb	Pass	< 0.1
Co (ppb) 10 ppb	Pass	< 0.1
Cr (ppb) 10 ppb	Pass	0.8
Cu (ppb) 10 ppb	Pass	0.3
Fe (ppb) 10 ppb	Pass	4.0
Ga (ppb) 10 ppb	Pass	< 0.1
Ge (ppb) 10 ppb	Pass	< 0.1
Hg (ppb) 10 ppb	Pass	< 0.1
In (ppb) 10 ppb	Pass	< 0.1
K (ppb) 10 ppb	Pass	35.6
La (ppb) 10 ppb	Pass	0.1
Li (ppb) 10 ppb	Pass	< 0.1
Mg (ppb) 10 ppb	Pass	28.4
Mn (ppb) 10 ppb	Pass	0.3
Mo (ppb) 10 ppb	Pass	0.2
Na (ppb) 10 ppb	Pass	135.8
Nb (ppb) 10 ppb	Pass	< 0.1
Ni (ppb) 10 ppb	Pass	< 0.1
Pb (ppb) 10 ppb	Pass	< 0.3

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Pd (ppb) 10 ppb	Pass	< 0.1
Pt (ppb) 10 ppb	Pass	< 0.1
S (ppb) 10 ppb	Pass	< 100
Sn (ppb) 10 ppb	Pass	< 0.2
Sr (ppb) 10 ppb	Pass	< 0.7
Ta (ppb) 10 ppb	Pass	< 0.1
Ti (ppb) 10 ppb	Pass	6.9
Tl (ppb) 10 ppb	Pass	< 0.1
V (ppb) 10 ppb	Pass	< 0.1
W (ppb) 10 ppb	Pass	< 0.1
Zn (ppb) 10 ppb	Pass	7.9
Zr (ppb) 10 ppb	Pass	0.1

**Status** Pass

**Comments**

**Certificate Create By:** Karen Hirsch  
**Best by:** March 26, 2027  
**Print Date:** Jun 20, 2022

**Signature on File**

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