

# Certificate of Analysis



**Product Name:** POTASSIUM HYDROXIDE, REAGENT (ACS)  
**Item #:** 629  
**Lot #:** 18270701

## Certified Values:

| Specifications (Max Limits or as Specified) | Status | Results  |
|---|--------|----------|
| Assay 85.0 % - Min                          | Pass   | 87.1     |
| Potassium carbonate (%) 2.0 % Max           | Pass   | < 2.0    |
| Chloride 0.01 % Max                         | Pass   | < 0.01   |
| Nitrogen compounds (N) 0.001 % Max          | Pass   | < 0.001  |
| Phosphate 0.0005 % Max                      | Pass   | < 0.0005 |
| Sulfate 0.003 % Max                         | Pass   | < 0.003  |
| Heavy Metals (by ICP-OES) 0.001 % Max       | Pass   | < 0.001  |
| Iron 0.001 % Max                            | Pass   | < 0.001  |
| Nickel 0.001 % Max                          | Pass   | < 0.001  |
| Calcium 0.005 % Max                         | Pass   | < 0.005  |
| Magnesium 0.002 % Max                       | Pass   | < 0.002  |
| Sodium 0.05 % Max                           | Pass   | < 0.05   |

## Comments

**CoA #:** COA-015708  
**Certificate Created By:** Karen Hirsch  
**CoA Creation Date:** July 17, 2018  
**Best by:** June 7, 2023  
**Print Date:** May 28, 2021

Signature on File

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](http://www.gfschemicals.com/statics/documents/aboutus/termsandconditions.html)  
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)

**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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