Certificate of Analysis

GFS CHEMICALS
800 Kaderly Dr
Columbus, OH 43228-1034
USA

www.gfschemicals.com

Tel: 800.858.9682 . 740.881.5501
Fax: 740.881.5989

500305
A4270

Product name: 2-AMINOETHANOL, REAGENT (ACS)

Item #: 622

Lot #: 24016562

Certified Values:

Specifications	Status	Results
Assay 99.0% - Min	Pass	99.9
Iron (Fe) 5 ppm Max	Pass	<5
Color (APHA) 15 Max	Pass	<15
Water 0.30 % Max	Pass	<0.30
Heavy Metals (by ICP-OES) 5 ppm Max	Pass	<5

Comments

CoA #: COA-112392

Certificate Created By: Troy Barker

CoA Creation Date: December 2, 2024

Certified by: Aron Becza - Quality Assurance Manager

Best by: December 1, 2025

Print Date: December 20, 2024

Aron Becza

Traceability:

This material was processed under a quality management system that is registered to ISO 9001:2015. The equipment used in the testing of material is NIST traceable. In cases where NIST traceability is not possible, equipment manufacturer recommendations and/or industry best practices are followed.

The following tests are performed under an A2LA accredited ISO/IEC 17025 management system:

- UV/VIS Spectrophotometer testing is performed according to ASTM method E169-16
- Turbidity according to ASTM methods D6855-17 and ASTM D7315-17
- Conductivity according to ASTM method D1125-14
- pH according to ASTM method D1293-18
- Karl Fischer titration according to ASTM methods DE203-16 and E1064-16

Samples for testing are obtained using GFS procedure GFSW-LAB-PPG-0022.

Testing is performed in a laboratory temperature of 22 ℃ +/- 2 ℃ and/or a solution temperature of 25 ℃ +/- 0.2 ℃.

Karl Fischer testing is performed at a laboratory temperature of 25 ℃ +/- 5 ℃ and a relative humidity of less than or equal to 60%.

Measurement Uncertainty:

The reported measurement uncertainty is an expanded measurement uncertainty according to the ASTM method E2554-18, calculated using 2 as the coverage factor (which gives a confidence level of approximately 95%).

-Example for a reported conductivity value of 2124 uS/cm:
2124uS/cm ± 0.65%, k=2

-Example for a reported pH value of 8.32:
8.32 ± 0.01, K=2

-Karl Fischer for values between 0.1 to 10 mg/g
- o Example for a reported Karl Fischer value of 5.3 mg/g:
5.3mg/g ± 3.76%, k=2