



Certificate of Analysis

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Product name: 4-METHYL-2-PENTANONE, ASTM D1153
Item #: 5778
Lot #: 24008438
Certified Values:

Specifications	Status	Results
Assay 99.0% - Min	Pass	99.7
Appearance	Pass	Passes Test
Color (APHA) 15 Max	Pass	<15
Titration acid 0.002 meq/g Max	Pass	<0.002
Residue after evaporation 0.005 % Max	Pass	<0.005
Water 0.1 % Max	Pass	<0.1
Methyl isobutyl carbinol (%) 0.3 % Max	Pass	<0.3

Comments

CoA #: COA-103951 **Best by:** December 7, 2028
Certificate Created By: Brenton Louk **Print Date:** January 12, 2024
CoA Creation Date: January 5, 2024
Certified by: Aron Becza - Quality Assurance Manager

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 °C +/- 2 °C and/or a solution temperature of 25 °C +/- 0.2 °C.

Karl Fischer testing is performed at a laboratory temperature of 25 °C +/- 5 °C 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 ASM 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

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