



**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-M1011P
Lot #: 2024050828

...Pure Quality

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Acetic Acid, Glacial**
USP/FCC

F.W.: 60.0500

CHEMICAL FORMULA: CH₃COOH

CAS No: 64-19-7

Density: 1.0510

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
FCC-Identification: Acetate	To pass test	Passes Test
FCC-Assay (C ₂ H ₄ O ₂)	99.5 - 100.5%	100.1%
FCC-Lead (Pb)	0.5 mg/kg max.	<0.5 mg/kg
FCC-Nonvolatile Residue	0.005% max.	<0.001%
FCC-Readily Oxidizable Substances	To pass test	Passes Test
FCC-Solidification Point	15.6 °C min.	16.5°C
USP-Identification: Acetate	To pass test	Passes Test
USP-Assay (C ₂ H ₄ O ₂)	99.5 - 100.5%	100.1%
USP-Limit of Non-Volatile Residue	1.0 mg max.	0.1 mg
USP-Chloride and Sulfate	To pass test	Passes Test
USP-Readily Oxidizable Substances	To pass test	Passes Test
USP-Congeeing Temperature	15.6 °C min.	16.5°C
REMARKS		

It is certified that the above is a true copy of the actual lot analysis.

Eddy Santiago
Quality Assurance Manager

Important. It is certified that the above is a true copy of the actual lot analysis. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. The minimum shelf life is based on current knowledge and holds only for proper storage conditions in the original containers. We herewith confirm that the delivery is effected according to the technical conditions agreed. Particular properties of the products or the suitability for a particular area of application is not assured. It is the customer's responsibility to inspect and test the products in order to satisfy itself as to the suitability for the customer's particular purpose. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions. Safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, recommendations to infringe any existing patents or to violate any Federal, State, Local or foreign laws. This document was produced electronically and is valid without a signature. ChemPure Quality Management.

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**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-A1090D
Lot #: 2024032055

...Pure Quality

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Ammonium Acetate**
Crystal, ACS

F.W.: 77.0800

CHEMICAL FORMULA: NH₄C₂H₃O₂

CAS No: 631-61-8

Density: 1.1700

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Assay (CH ₃ COONH ₄)	97.0% min.	98.3%
pH of a 5% solution at 25°C	6.7-7.3	7.2
Insoluble Matter	0.005% max.	<0.005%
Residue After Ignition	0.01% max.	<0.01%
Chloride (Cl)	5 ppm max.	<5 ppm
Nitrate (NO ₃)	0.001% max.	<0.001%
Sulfate (SO ₄)	0.001% max.	<0.001%
Heavy metals (by ICP-OES)	5 ppm max.	<5 ppm
Iron (Fe)	5 ppm max.	<5 ppm
Manufacture Date	Record Actual	11/30/2023
Expiration date	Record Actual	11/29/2026
REMARKS		

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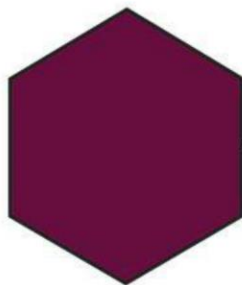
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**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-M1375D
Lot #: 2024061479

...Pure Quality

CERTIFICATE OF ANALYSIS

PRODUCT NAME: EDTA, Disodium Salt, Dihydrate
ACS

F.W.: 372.2400

CHEMICAL FORMULA: C₁₀H₁₄N₂O₈Na₂ • 2H₂O

CAS No: 6381-92-6

Density: 1.0000

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Assay (C ₁₀ H ₁₄ N ₂ O ₈ Na ₂ • 2H ₂ O)	99.0-101.0%	99.1%
pH of a 5% solution at 25°C	4.0-6.0	4.4
Insoluble Matter	0.005% max.	0.004%
Nitritotriacetic acid [(HOCOCH ₄) ₃ N]	0.1% max.	<0.1%
Heavy metals (by ICP-OES)	0.005% max.	<0.005%
Iron (Fe)	0.01% max.	<0.01%
Manufacture Date	Record Actual	10/01/2023
Expiration Date	Record Actual	09/30/2026
REMARKS		

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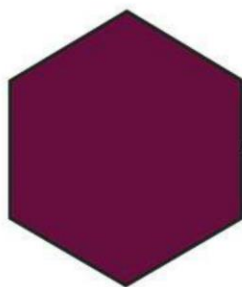
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**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-M2390D
Lot #: 2024040869

...Pure Quality

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Sodium Hydroxide**
Pellet, ACS

F.W.: 40.0000

CHEMICAL FORMULA: NaOH

CAS No: 1310-73-2

Density: 1.0000

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Iron (Fe)	0.001% max.	<0.001%
Nickel (Ni)	0.001% max.	<0.001%
Nitrogen Compounds (as N)	0.001% max.	<0.001%
Phosphate (PO4)	0.001% max.	<0.001%
Heavy metals (as Ag)	0.002% max.	<0.002%
Magnesium (Mg)	0.002% max.	<0.002%
Sulfate (SO4)	0.003% max.	<0.003%
Calcium (Ca)	0.005% max.	<0.005%
Chloride (Cl)	0.005% max.	0.003%
Potassium (K)	0.02% max.	<0.02%
Mercury (Hg)	0.1 ppm max.	<0.1 ppm
Sodium Carbonate (Na2CO3)	1.0% max.	0.6%
Assay (NaOH)	97.0% min.	98.9%
Manufacture Date	Record Actual	01/01/2024
Expiration date	Record Actual	12/31/2026
REMARKS		

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