

Certificate of Analysis

Product Name:

Sodium acetate solution - BioUltra, Molecular Biology, ~3 M in H₂O

Product Number: 71196
Batch Number: BCCF4383
Brand: SIGMA
Formula: C₂H₃NaO₂
Formula Weight: 82,03 g/mol
Quality Release Date: 26 FEB 2021
Date Retested: 23 MAY 2025
Recommended Retest Date: OCT 2029

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Titration	2.70 - 3.30 Mol/l	3.05 Mol/l
Non Aqueous Titration		
Density (D ₂₀ /4)	1.090 - 1.150	1.118
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Aluminum (Al)	≤ 1 mg/kg	< 1 mg/kg
Barium (Ba)	≤ 1 mg/kg	< 1 mg/kg
Bismuth (Bi)	≤ 1 mg/kg	< 1 mg/kg
Calcium (Ca)	≤ 5 mg/kg	< 5 mg/kg
Cadmium (Cd)	≤ 1 mg/kg	< 1 mg/kg
Cobalt (Co)	≤ 1 mg/kg	< 1 mg/kg
Chromium (Cr)	≤ 1 mg/kg	< 1 mg/kg
Copper (Cu)	≤ 1 mg/kg	< 1 mg/kg
Iron (Fe)	≤ 1 mg/kg	< 1 mg/kg
Potassium (K)	≤ 50 mg/kg	< 50 mg/kg
Lithium (Li)	≤ 1 mg/kg	< 1 mg/kg
Magnesium (Mg)	≤ 1 mg/kg	< 1 mg/kg
Manganese (Mn)	≤ 1 mg/kg	< 1 mg/kg
Molybdenum (Mo)	≤ 1 mg/kg	< 1 mg/kg
Nickel (Ni)	≤ 1 mg/kg	< 1 mg/kg
Lead (Pb)	≤ 1 mg/kg	< 1 mg/kg

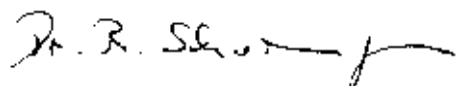
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Strontium (Sr)	≤ 1 mg/kg	< 1 mg/kg
Zinc (Zn)	≤ 1 mg/kg	< 1 mg/kg
Arsenic (As) (MHS-AAS)	≤ 0.1 mg/kg	< 0.1 mg/kg
Total Sulfur as SO ₄ (ICP)	≤ 20 mg/kg	< 20 mg/kg
Chloride (Cl)	≤ 10 mg/kg	< 10 mg/kg
Phosphate (PO ₄)	≤ 5 mg/kg	< 5 mg/kg
Extraneous Activities Dnases, Rnases, Proteases, Phosphatases Not Detectable	None Detected	None Detected
PH of Solution (PH) Neat	7.0 - 8.0	7.4
Filtered (No Residue on Filter Test)	No Residue	No Residue
UV Absorbance 260nm	≤ 0.030	0.006
UV Absorbance 280nm	≤ 0.024	0.004



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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