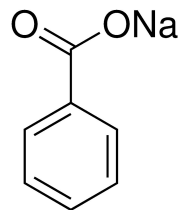


# Certificate of Analysis

**Product Name :** Sodium benzoate BioXtra, ≥99.5%  
**Product Number :** B3420-1KG  
**Batch Number :** 0000428497  
**Source Batch :** 0000404758  
**CAS Number :** 532-32-1  
**MDL Number :** MFCD00012463  
**Molecular Formula :** C<sub>7</sub>H<sub>5</sub>NaO<sub>2</sub>  
**Formula Weight :** 144.10 g/mol  
**Recommended Retest Date :** Dec 2028  
**Quality Release Date :** 26 Dec 2024



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 1 M, H <sub>2</sub> O	Clear	Clear
Insoluble Matter	≤ 0.1 %	0.0 %
Chloride Content	≤ 0.05 %	0.00 %
Sulfate (SO <sub>4</sub> )	≤ 0.05 %	< 0.01 %
Aluminum (Al)	≤ 0.0005 %	< 0.0005 %
Phosphorus (P)	≤ 0.0005 %	< 0.0005 %
Lead (Pb)	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 0.0005 %	< 0.0005 %
Copper (Cu)	≤ 0.0005 %	< 0.0005 %
Zinc (Zn)	≤ 0.0005 %	< 0.0005 %
Calcium (Ca)	≤ 0.01 %	< 0.01 %
Magnesium (Mg)	≤ 0.005 %	< 0.005 %
Potassium (K)	≤ 0.10 %	< 0.10 %
Ammonia (NH <sub>4</sub> )	≤ 0.05 %	0.00 %
Titration with HClO <sub>4</sub>	≥ 99.5 %	100.2 %
Identity - Sodium (Na)	Positive	Positive

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1208367

Page 1 of 2



**Product** B3420-1KG  
**Batch** 0000428497

Identity - Sodium (Na)

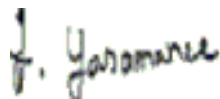
Positive

Positive

<sup>1</sup>H NMR Spectrum

Conforms to Structure

Conforms



Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1208367

Page 2 of 2

