


Certificate of Analysis

Product Name : Sodium bicarbonate BioXtra, 99.5-100.5%
Product Number : S6297-1KG
Batch Number : 0000045724
 Source Batch : SLBZ0877
 CAS Number : 144-55-8
 Molecular Formula : CHNaO₃
 Formula Weight : 84.01
 Recommended Retest Date : Apr 2023
 Quality Release Date : 17 Jul 2018

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
1M in H ₂ O		
Insoluble Matter	≤ 0.015 %	0.000 %
Chloride (Cl)	≤ 0.003%	≤ 0.003%
Sulfate (SO ₄)	≤ 0.003 %	0.003 %
Aluminum (Al)	≤ 0.0005 %	< 0.0005 %
Phosphorus (P)	≤ 0.0005 %	< 0.0005 %
Lead (Pb)	≤ 0.0005 %	< 0.0005 %
Iron (Fe)	≤ 0.0005 %	< 0.0005 %
Copper (Cu)	≤ 0.0005 %	< 0.0005 %
Zinc (Zn)	≤ 0.0005 %	< 0.0005 %
Calcium (Ca)	≤ 0.005 %	0.004 %
Magnesium (Mg)	≤ 0.005 %	0.001 %
Potassium (K)	≤ 0.005 %	< 0.005 %
Ammonia (NH ₄)	≤ 0.0005 %	< 0.0003 %
Titration with HCl	99.5 - 100.5 %	100.1 %



Rodney Burbach, Manager

Analytical Services

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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.