

3050 Spruce Street, Saint Louis, MO 63103, USA

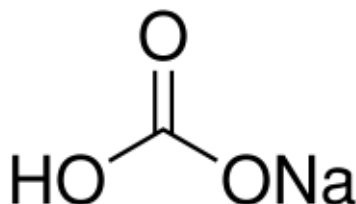
Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Sodium bicarbonate – for molecular biology, 99.7–100.3%

Product Number: S7277
Lot Number: 011M01476
Brand: SIGMA
CAS Number: 144-55-8
MDL Number: MFCD00003528
Formula: CHNaO3
Formula Weight: 84.01 g/mol
Quality Release Date: 23 FEB 2011
Recommended Retest Date: FEB 2016



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
100 mg/mL, H2O		
Sulfur Compounds (as Sulfate)	Pass	Pass
< or = 0.003%		
Potassium (K)	Pass	Pass
< or = 0.005%		
Iron (Fe)	Pass	Pass
< or = 0.001%		
Heavy Metals (as Lead)	< = 5 ppm	< = 5 ppm
DNAse, Exonuclease Detection	None Detected	None Detected
RNAse Detection	None Detected	None Detected
Protease Detection	None Detected	None Detected
% Purity	99.7 - 100.3	100.1
Recommended Retest Period	-----	-----
5 years		

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Rodney Burbach, Manager
Analytical Services
St. Louis, Missouri US

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