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Product Specification

Product Name:

Sodium bicarbonate – powder, BioReagent, for molecular biology, suitable for cell culture, suitable for insect cell culture

Product Number:

S5761

CAS Number:

144-55-8

MDL:

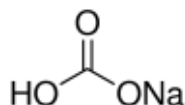
MFCD00003528

Formula:

CHNaO₃

Formula Weight:

84.01 g/mol



TEST

Specification

ICP	≤ 10 ppm
(Total: Ag, As, Bi, Cd, Cu, Hg, Mo, Pb, Sb, Sn)	
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
100 mg/mL, H ₂ O	
Infrared spectrum	Conforms to Structure
Titration with HCl	99.5 - 100.5 %
Potassium (K)	≤ 0.005 %
Iron (Fe)	≤ 0.0005 %
Cell by Hemocytometry	Pass
Insect Cell Test	Pass
DNAse, Exonuclease Detection	None Detected
NICKase, Endonuclease Detection	None Detected
RNAse Detection	None Detected
Protease Detection	None Detected
Sulfate	< = 0.003%
< or = 0.003%	
Total Aerobic Microbial Count	≤ 1
CFU/Plate	
Recommended Retest Period	-----
5 years	

Specification: PRD.5.ZQ5.10000008289

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.