

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

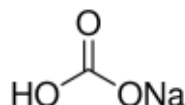
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Sodium bicarbonate – puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, E500, 99.0–100.5%, powder

Product Number: 13433
Batch Number: MKCM3925
Brand: SIGALD
CAS Number: 144-55-8
MDL Number: MFCD00003528
Formula: CHNaO3
Formula Weight: 84.01 g/mol
Quality Release Date: 01 JUN 2020



Test	Specification	Result
Titration with HCl	99.0 - 100.5 %	99.3 %
Loss on Drying (via silica gel)	≤ 0.2 %	< 0.2 %
pH 5%, 20 °C	≤ 8.6	8.0
Chloride (Cl)	≤ 100 ppm	< 100 ppm
Sulfate (SO4)	≤ 100 ppm	< 100 ppm
Total Sulfur Content (as SO4)	≤ 150 ppm	< 150 ppm
Appearance of Solution	Complying	Complies
Carbonate	Complying	Complies
Ammonium (NH4) ≤ 20 ppm	Complying	Complies
Water-Insoluble Matter	Complying	Complies
Ammonia	Complying	Complies
Residual Solvents	Complying	Complies
Aluminum (Al)	≤ 1 ppm	< 1 ppm
Arsenic (As)	≤ 2 ppm	< 1 ppm
Calcium (Ca)	≤ 100 ppm	37 ppm
Iron (Fe)	≤ 10 ppm	< 1 ppm
Mercury (Hg)	≤ 1 ppm	< 1 ppm
Potassium (K)	≤ 100 ppm	14 ppm
Lead (Pb)	≤ 2 ppm	< 1 ppm

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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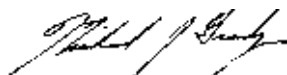
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Certificate of Analysis

Product Number: 13433
Batch Number: MKCM3925

Test	Specification	Result
Heavy Metals	≤ 5 ppm	< 1 ppm
Note	Note	
Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.		



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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