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Certificate of Analysis

Lot Number: FF5231
Date of Manufacture: 08/19/2025
Product: SBC USP 1 Grade

Quantity: 220 _____

Analysis:		
Description	Specification	Result
Dried Basis % Sodium Bicarbonate Assay	99.0% to 100.5%	100.0 %
SBC Chloride	NMT 0.015%	Pass
Arsenic (As)*	NMT 0.9 PPM	< 0.1 PPM
Cadmium (Cd)*	NMT 0.3 PPM	< 0.02 PPM
Lead (Pb)*	NMT 0.3 PPM	< 0.1 PPM
Mercury (Hg)*	NMT 1 PPM	< 0.04 PPM
Identification - Bicarbonate	Effervesces in acid, gas precipitates in Ca(OH) ₂ TS. Cold solution unchanged/slight colored	Pass
Identification - Sodium	No Precipitate with K ₂ CO ₃ . Dense precipitate with H ₂ K ₂ O ₇ Sb ₂	Pass
Insoluble Substances	1:20 Complete and clear	Pass
Ammonia	NMT 20 PPM	Pass (see remarks)
Limit of Sulfur Compounds	NMT 0.015%	Pass
% Loss on Drying	NMT 0.25%	< 0.01 %
Normal Carbonate	Solution does not assume more than a faint pink color immediately	Pass
Other Testing:		
Description	Specification/Limits	Result
pH - 1% Solution	8.0 to 8.6	8.0
Cumulative % Retained on 100 Mesh Screen	0% to 2%	0.3
Cumulative % Retained on 200 Mesh Screen	20% to 45%	36
Cumulative % Retained on 325 Mesh Screen	60% to 100%	74

Please consult the SDS for further information.

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