

MATERIAL: 173040 BATCH: WW5258



# CHURCH & DWIGHT CO., INC.

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## SODIUM BICARBONATE - CERTIFICATE OF ANALYSIS

Lot Number: WW 5258		Date of Manufacture: 15-Sep-2025	Grade: SBC USP	3DF
Shipping Information				
Order Number	P.O. Number: 4527849665	Quantity:	N/A	
Expiration date: 14-Sep-2028	Customer Service Number: (800) 631-5591			
USP ANALYSIS				
Description	Specification	Result		
Identification-Sodium	No Precipitate with $K_2CO_3$ . Dense precipitate with $H_2K_2O_7Sb_7$	Passes test		
Identification-Bicarbonate	Efferveces in acid, gas precipitates in $Ca(OH)_2$ TS	Passes test		
Identification-Bicarbonate	Cold solution unchanged/slight colored	Passes test		
Normal Carbonate	Solution does not assume more than a pink color immediately	Passes test		
Insoluble Substances	1-20 Complete and clear	Passes test		
Sodium Bicarbonate Assay	Not less than 99.0 and not more than 100.5 %	100.1 %		
Loss on Drying	Not more than 0.25 %	0.01 %		
Limit of Ammonia	Not more than 20 ppm	PASS- See Remarks		
Elemental Impurities:	Cadmium *	Not more than 0.3 ppm, LOQ $\leq$ 0.02 ppm	< LOQ ppm	
	Lead *	Not more than 0.3 ppm, LOQ $\leq$ 0.1 ppm	< LOQ ppm	
	Arsenic *	Not more than 0.9 ppm, LOQ $\leq$ 0.1 ppm	< LOQ ppm	
	Mercury *	Not more than 1.0 ppm, LOQ $\leq$ 0.04 ppm	< LOQ ppm	
	Chloride	Not more than 0.0150 %	Not more than 0.0150 %	
Limit of Sulfur Compounds	Not more than 0.0150 %	Not more than 0.0150 %		
Other Testing				
Test	Result			
Particle Size Distribution C&D 00000000314	Cumulative (Rotap) % Retained on Mesh			
	100	200	325	325A
	Cumulative % Ret			
	0	5	15	
Min Max				
0-1	0-5	0-100	10-17	
% Fraction Ret				
	0	5	—	
% Fraction Thru				
	100	95	85	
pH 7.96				
<p>Meets specification of the current USP and FCC. Stability from date of manufacture, 3 years minimum. This product does not require Residual Solvents testing, under the USP-NF-(467) stipulation that based on the manufacturer's knowledge of the manufacturing process and controlled handling &amp; storage of the product there is no potential for the specific toxic solvents to be present. Ammonia is not used in the manufacturing process for Church &amp; Dwight Sodium Bicarbonate. Limit of Ammonia is based on risk analysis and in-process controls. Elemental Impurities limits from USP &lt;232&gt;, Table 2, Oral Drug Products. The remaining Table 2 elements are not known or expected impurities. *Determined by ICP. C&amp;D Method ZTM 74505.</p>				
Comments				
Spec #1	Country of origin United States of America	Calculated values	Carbon Dioxide = 52.4%	Total Alkaloid = 16.9%

Date: 16-Sep-2025

By Bonjette MacLean  
Green River Quality Control Laboratory

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