



CHURCH & DWIGHT CO., INC.

326 W. Alchem Road, Green River, Wyoming 82936 USA Phone: (307) 876-2233 Fax (307) 872-8183

SODIUM BICARBONATE - CERTIFICATE OF ANALYSIS

		Lot Number: WW 1161		
		Date of Manufacture: 10-Jun-2021		
		Grade: SBC USP One		
Shipping Information				
Order Number:	P.O. Number: 43533	Quantity:		
Expiration date: 9-Jun-2024	Customer Service Number: (800) 631-5591			
USP ANALYSIS				
Description	Specification	Result		
Identification-Sodium	No Precipitate with K_2CO_3 . Dense precipitate with $H_2K_2O_7Sb_2$	Passes test		
Identification-Bicarbonate	Effervesces 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 %	Not more than 0.25 %		
Limit of Ammonia	Not more than 20 ppm	N/A- See Remarks		
Elemental Impurities-	Cadmium *	Not more than 0.5 ppm, LOQ \geq 0.02 ppm		
	Lead *	Not more than 0.5 ppm, LOQ \geq 0.1 ppm		
	Arsenic *	Not more than 1.5 ppm, LOQ \geq 0.1 ppm		
	Mercury *	Not more than 1.0 ppm, LOQ \geq 0.04 ppm		
	Chloride	Not more than 0.0150 %		
Limit of Sulfur Compounds	Not more than 0.0150 %			
Other Testing				
Test		Result		
Particle Size Distribution	C&D 00000000314	Cumulative (Rotap) % Retained on Mesh		
		100	200	325
		Cumulative % Ret		
		0	36	74
Min.-Max.			% Fraction Ret	
0-2	20-45	60-100	0	
			% Fraction Thru	
			100	
			64	
			26	
				pH 8.15
Remarks				
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 & 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 & Dwight Sodium Bicarbonate. Controlled handling & storage of the product insure that ammonia will not exceed the USP limits. Absence of ammonia is confirmed on each lot via olfactory test. Elemental Impurities limits from USP <232>, Table 2, Oral Drug Products. The remaining Table 2 elements are not known or expected impurities. *Determined by ICP, C&D Method ZTM *74505				
Comments				
Spec #1	Country of origin- United States of America	Calculated values	Carbon Dioxide = 52.4%	Total Alkali = 36.9%

Date: 11-Jun-2021


 Green River Quality Control Laboratory

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