

FMC Alkali Chemicals

FMC Specialty Alkali Corporation
P.O. Box 872
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Dear Valued Customer:

This letter is to confirm that the manufacture of FMC's Sodium Bicarbonate is based on the refining of trona, a naturally occurring mineral. The trona is dissolved, clarified, filtered, crystallized, then combined with food grade carbon dioxide to produce sodium bicarbonate. The final product does not contain any adverse contaminants as part of its origin. Its purity is >99% with trace naturally occurring mineral content. FMC's Sodium Bicarbonate (all USP grades) is tested according to USP # 32 – NF 27 standards and is guaranteed to comply with the following component specifications:

Component	C.A.S. #	Range, Units	Test Method
Carbonic Acid Monosodium Salt (Sodium Bicarbonate)	144-55-8	99.0 – 100.5%	Auto titration – equivalent to USP 32 specified test method.
Water	7732-18-5	0.25% maximum	Loss on Drying
Other minor impurities	Requirement	Method	
Ammonia	Meets USP Spec	USP 32 test method(s)	
Arsenic (as As)	2 ppm maximum	USP 32 test method(s)	
Heavy metals (as Pb)	5 ppm maximum	USP 32 test method(s)	
Carbonate	Meets USP Spec	USP 32 test method(s)	
Chloride (as Cl)	150 ppm maximum	USP 32 test method(s)	
Sulfur Compounds	150 ppm maximum	USP 32 test method(s)	
Residual Solvents	Meets USP Spec	USP 32 test method(s)	

Please contact me at (307) 872-2143 if you have any questions.

Sincerely,



Robin Avery
Alkali Product Steward – RCMS Coordinator
FMC Specialty Alkali Corporation
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Dedicated to Responsible Care

