

Country of Origin USA

CERTIFICATE OF ANALYSIS
NATURAL SODIUM SULFATE

Cooper Natural Resources Cedar Lake Facility Sodium Sulfate P.O. Box 1477 Seagraves, Texas 79359 Phone: (806) 487-6461 Fax: (806) 487-6471

D.R.

ANALYZED BY

Date of Manufacture:

06/26/12

Product:

STANDARD GRADE

Custo	mer:	Sensie	ent						PO#	243908
	CHEMIC	AL ANA	LYSIS		TRA	TRACE METAL ANALYSIS			NOTES	
Analyte			Spec	Actual	Element		Max	Actual	Note #1: These values are from weekly statistical	
Purity (% Na₂SO₄)#3			99	99.8	Fe (ppm)) # 1	10	1	control data.	
NaCl (%)#2			0.5	0.15						
Water Insoluble (%)#1			0.03	0.01					Note # 2: These values are from analysis of	
Na ₂ CO ₃ (%) #4			0.5	0.5					samples taken from this shipm	ent.
As(ppm) # 4		3	0.3							
					PHY	SICAL P	PROPERTIES		Note # 3: Na ₂ SO ₄ is determined by difference	
									(100 minus insoluble, minus Mo	gSQ, minus
] [NaCl).		
					Density (lbs/ft³) #2			88.0	Note # 4: Taken from quarterly statistical control	
Optical Brightness				Moisture (%) #1			0.01	analyses.		
					Appearance		white,granular,			
		SCREE	N ANALYS	sis					NOTES	
Scre	en#	Retained On Screen (%)			Cumulative % Retained					
		Custon	ner Specs	1	Customer Specs			Custom	ner Spec Sheet, Revision Date: 3/16/06	
U.S.	Tyler	Min	Max	Actual	Min	Max	Actual			
20				0.0%		1.0%	0.0%			
40				1.6%			1.6%			
60				21.4%			22.9%			
80				34.5%			57.4%			
100				20.4%			77.8%			
140				17.0%			94.8%			
200				3.0%	85.0%		97.8%	1		
-200			<u> </u>	2.2%	<u> </u>		100.0%			
TOTAL				100.0%			<u> </u>			
Comments:		This product is certified to meet the limits of impurities (heavy of the Food Chemicals Codex Fifth Edition Specifications.						motels, erospic and colonium)		

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.

REVIEWED BY