



MINERA DE SANTA MARTA, S.A.

## SPECIFICATION

<b>Product:</b>	<b>NATURAL ANHYDROUS SODIUM SULPHATE</b>
<b>Type:</b>	<b>Na-G1 (Coarse)</b>

Chemical Formula: <b>Na<sub>2</sub>SO<sub>4</sub></b>	REV.: 21	Belorado Plant	March 2024
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Parameter		Typical value	Limit	Test/Method	
1	Appearance	Coarse quality product free from foreign materials		Visual inspection	
2	Na <sub>2</sub> SO <sub>4</sub>	99.80 %	99.50 % minimum	IT01	
3	Moisture content	0.03 %	0.05 % maximum	IT02	
4	Chloride (Cl <sup>-</sup> )	0.05 %	0.18 % maximum	IT03	
5	Calcium (Ca <sup>2+</sup> )	0.01 %	0.03 % maximum	IT04	
6	Magnesium (Mg <sup>2+</sup> )	0.01 %	0.03 % maximum	IT04	
7	Acid insoluble	0.005 %	0.01 % maximum	IT05	
8	pH (1%)	7.00	± 1.00	IT06	
9	Bulk density	1550 kg/m <sup>3</sup>	± 100	IT07	
10	Colour (CIE)	L*	96	92 minimum	IT08
		a*	0	± 0,5	
		b*	2,5	± 2,5	
<b>TRACE METALS</b>					
11	Iron (Fe)	1 ppm	3 ppm maximum	IT09	
	Chromium (Cr)	<1 ppm	2 ppm maximum		
<b>PARTICLE SIZE DISTRIBUTION</b>					
12	Above 1500 µm	0 %		IT10	
	Above 500 µm	30 % minimum			
	Above 250 µm	70 % minimum			
	Below 100 µm	5 % maximum			
	Mean size	500 ± 50 microns			

Issued by Laboratory Head

Approved by Commercial Director

**Issued by Laboratory Head**

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**Approved by Commercial Director**

A handwritten signature in blue ink, featuring a large circular loop and a long horizontal stroke extending to the right.