



MINERA DE SANTA MARTA, S.A.

## SPECIFICATION

<b>Product:</b>	<b>NATURAL ANHYDROUS SODIUM SULPHATE</b>			
<b>Type:</b>	<b>Na-G3.EE (Coarse)</b>			
<b>Chemical Formula:</b>	<b>Na<sub>2</sub>SO<sub>4</sub></b>	REV.: 8	Belorado Plant	March 2024
Parameter	Standard Product	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	1450 kg/m <sup>3</sup>	± 100	IT07	
	L*	96	92 minimum	
10 Colour (CIE)	a*	0	± 0,5	
	b*	2,5	± 2,5	
TRACE METALS				
11 Iron (Fe)	1 ppm	3 ppm maximum	IT09	
Chromium (Cr)	<1 ppm	2 ppm maximum		
PARTICLE SIZE DISTRIBUTION				
12	Above 850 µm	0.5 %	IT23	
	Above 355 µm	25 % maximum		
	Between 250 and 355 µm	60 % minimum		
	Mean size	290 ± 40 microns		

Issued by Laboratory Head

Approved by Commercial Director