



MINERA DE SANTA MARTA, S.A.

SPECIFICATION

Product:		NATURAL ANHYDROUS SODIUM SULPHATE		
Type:		Na-G3.ED2 (Coarse)		
Chemical Formula: Na₂SO₄		REV.: 4	Belorado Plant	March 2024
Parameter		Typical value	Limit	Test/Method
1	Appearance	Coarse quality product free from foreign materials		Visual inspection
2	Na ₂ SO ₄	99.80 %	99.50 % minimum	IT01
3	Moisture content	0.03 %	0.05 % maximum	IT02
4	Chloride (Cl ⁻)	0.05 %	0.18 % maximum	IT03
5	Calcium (Ca ²⁺)	0.01 %	0.03 % maximum	IT04
6	Magnesium (Mg ²⁺)	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	1425 kg/m ³	± 100	IT07
	L *	96	92 minimum	
10	Colour (CIE)	a *	± 0,5	IT08
	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 300 µm	0.5 % maximum	IT23	
	Above 250 µm	8.5 % maximum		
	Between 150 and 250 µm	89 % minimum		
	Below 150 µm	2.5 % maximum		
	Below 100 µm	0.5 % maximum		

Issued by Laboratory Head

Approved by Commercial Director