



MINERA DE SANTA MARTA, S.A.

SPECIFICATION

Product:		NATURAL ANHYDROUS SODIUM SULPHATE		
Type:		Na-G3.EE (Coarse)		
Chemical Formula: Na₂SO₄		REV.: 9	Belorado Plant	September 2024
Parameter		Standard Product	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	1450 kg/m ³	± 100	IT07
10	L *	96	92 minimum	IT08
	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		

Issued by Laboratory Head

Approved by Commercial Director