



MINERA DE SANTA MARTA, S.A.

SPECIFICATION

Product:	NATURAL ANHYDROUS SODIUM SULPHATE
Type:	Na-F

Chemical Formula: Na₂SO₄	REV.: 12	Belorado Plant	March 2024
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Parameter		Typical value	Limit	Test/Method	
1	Appearance	Free flowing powder from foreign materials		Visual inspection	
2	Na ₂ SO ₄	99.70 %	99.50 % minimum	IT01	
3	Moisture content	0.02 %	0.05 % maximum	IT02	
4	Chloride (Cl ⁻)	0.06 %	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	1300 kg/m ³	± 100	IT07	
10	Colour (CIE)	L*	97	95 minimum	IT08
		a*	0	± 0,5	
		b*	2,5	± 2,5	
TRACE METALS					
11	Iron (Fe)	2 ppm	5 ppm maximum	IT09	
	Chromium (Cr)	<1 ppm	2 ppm maximum		
PARTICLE SIZE DISTRIBUTION					
12	Above 250 µm	0 %		IT10	
	Above 100 µm	25 % maximum			
	Between 20 and 100 µm	70 % minimum			
	Below 20 µm	12 % maximum			
	Mean size	70 ± 25 microns			

Issued by Laboratory Head

Approved by Commercial Director