



MINERA DE SANTA MARTA, S.A.

SPECIFICATION

Product :	S-85
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REV.: 3	Villarrubia Plant	December 2016
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	Parameter	Standard product	Limit	Test/Method	
1	Appearance	Flowing powder free from foreign materials		Visual inspection	
2	NaCl	85.00 %	81.00 – 89.90 %	IT03	
3	Na ₂ SO ₄	14.50 %	11.00 – 19.00 %	IT01	
4	Moisture content	0.10 %	0.25 % maximum	IT02	
5	Calcium (Ca ²⁺)	0.02 %	0.05 % maximum	IT04	
6	Magnesium (Mg ²⁺)	0.00 %	0.02 % maximum	IT04	
7	Acid insoluble	0.05 %	0.10 % maximum	IT05	
8	pH (1%)	7.00	± 1.50	IT06	
9	Bulk density	1200 kg/m ³	± 100	IT07	
	L*	90	85 minimum		
10	Color (CIE)	a*	1.0	± 1.5	IT08
		b*	9.5	± 2.5	
PARTICLE SIZE DISTRIBUTION					
12	Above 1000 µm		5% maximum	IT10	
	Above 500 µm		55% maximum		
	Above 250 µm		65% minimum		
	Below 100 µm		5% maximum		
	Mean size		400 ± 150 microns		

Issued by Quality Coordinator

Approved by Commercial Director