



TECHNICAL SPECIFICATIONS **ANHYDROUS SODIUM SULPHATE** **GRADE: FEED (AL)**



Ref.: ESP - AL

Rev.: 09

Date: October 2024

PARAMETER	STANDARD VALUE	TOLERANCE		METHOD
		maximum	minimum	
Appearance	White free flowing powder, free from foreign matter			
Na ₂ SO ₄	99.8%	---	99.6%	MT/10
NaCl	0.15%	0.25%	---	ISO 6227-1982 MT/01
(Cl ⁻)		0.15%		
Sodium (Na)	32.32%	---	32.26%	
Sulfur (S)	22.48%	---	22.44%	
Calcium (Ca)	50 ppm	100 ppm	---	Atomic Abs. MT/02
Magnesium (Mg)	150 ppm	300 ppm		Atomic Abs. MT/02
Insoluble in water	0.01%	0.02%	---	MT/03
Iron (as Fe)	1 ppm	5 ppm	---	Atomic Abs. MT/07
Bulk density (g/ml)	1.45	1.60	1.30	ISO 697-1981 MT/09
MANDATORY REQUIREMENTS (Directive 2002/32 and Reg.1275/2013)				
Arsenic (as As)	< 0.1 ppm	1 ppm	---	ICP-MS
Mercury (as Hg)	< 0.1 ppm	0.1 ppm	---	ICP-MS
Lead (as Pb)	< 0.1 ppm	10 ppm	---	ICP-MS
Cadmium (as Cd)	< 0.1 ppm	2 ppm	---	ICP-MS
Nitrites	< 0.1 ppm	15 ppm	---	ISO 14673:3
Humidity (H2O)	0.02 %	1.0 %	---	MT/04
Sum of dioxins and PCBs similar to dioxins (PCDD, PCDF and PCB) in international toxic equivalents (EQT-OMS)	< 1 ng/Kg	< 1 ng/Kg		Calculation OMS
pH at 5%	8.0	9.0	6.0	MT/06
Electrolytic Balance (mEq/Kg)	14065			
GRANULOMETRY				
Above 1,000 microns	0.0%	1.0%	---	ISO 2395-1990 ISO 565-1990 ISO 3310-1:1990
Above 50 microns	95.0 %	---	90.0 %	
Mean particle size microns	200 +/- 50	---	----	

- It complies with all the E.U. requirements of raw material for feed production, with registry number: ESP 09001556
- Best before date: Three years from the date of production.

ISSUED	APPROVED
 Signed: Ricardo Rodríguez Quality Director	 Signed: Marta Aguirre Sodium Sulphate Chief Sales Officer