

Document review date: 2023-05-23 Rev. 03

MILLED ANHYDRITE

PARAMETER	M.U.	GUARANTED VALUE		TYPICAL VALUE	ANALYSIS METHOD
		Min	Max		
CaSO ₄	%	93		97	Calculation
SO ₃	%	54		57	MI 07 (XRF analysis)
CaF ₂	%		3	2	MI 07 (XRF analysis)
SiO ₂	%		0.8	0.2	MI 07 (XRF analysis)
K ₂ O	%		0.2	0.010	MI 07 (XRF analysis)
MgO	%		0.5	0.10	MI 07 (XRF analysis)
Fe ₂ O ₃	%		0.5	0.10	MI 07 (XRF analysis)
Al ₂ O ₃	%		0.5	0.15	MI 07 (XRF analysis)
Ca(OH) ₂ *	%		<1	0.9	MI 04 (Titration)
H ₂ O 110°C **	%		2	1	MI 02 (Thermogravimetric)
H ₂ O 360 °C *	%		2	1	MI 03 (Thermogravimetric)
pH (10% w/v)**		10	11.5	11	Potentiometric

Data based on sample treated at 360°C after dried at 45°C

* Data based on sample after dried at 45°C

** Data based on sample as-is

PHYSICAL PROPERTIES	M.U.	GUARANTED VALUE		TYPICAL VALUE	ANALYSIS METHOD
		Min	Max		
Particle size distribution	%				Dry sieve analysis
> 0.425	%		5	2	
> 0.090	%	15	25	16	
< 0.090	%	75	85	84	
Flow test	cm	Min	Max		Test Gyps-union
at 1 min		24	28		
at 45 mins		20	24		

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MECHANICAL CHARACTERISTICS (Technical Class 20)

Compressive strength	3 days Min. 8.0 N/mm ²	28 days Min. 20.0 N/mm ²
Flexural strength	3 days Min. 1.5 N/mm ²	28 days Min. 4.0 N/mm ²
Shrinkage or swelling	≤ 0.2 mm/m	
Setting time	initial ≥ 30 min	final ≤ 12 h
Reaction to fire	Organic material < 1% Class A1 _{fl}	

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