

# TECHNICAL DATA SHEET

## FERROUS(II) SULPHATE MONOHYDRATE, DRIED (FOR INDUSTRIAL APPLICATIONS) FESPOL®28

Chemical formula:  $\text{FeSO}_4 \cdot \text{H}_2\text{O}$   
 No. CAS: 17375-41-6  
 No. EINECS: 231-753-5

Guarantee parameters:

No.	Determined parameters	Unit	Requirements
1	Form	Crystalline powder, light cream colour	
2	Content of ferrous ions ( $\text{Fe}^{2+}$ )	% m/m	min. 28.2
3	Content of $\text{FeSO}_4 \cdot \text{H}_2\text{O}$	% m/m	min. 85.8
4	pH of 5% solution	-	2.0 - 3.5
5	Content of matters insoluble in water*	% m/m	max. 0.6
6	Residue on sieve 0,125 mm	% m/m	max. 50

\* It applies only for the grade produced without anti-caking agent.

The above-mentioned parameters are confirmed in the certificate of laboratory testing at each delivery.

Declared parameters:

No.	Determined parameters	Unit	Requirements
1	Bulk density	$\text{g/cm}^3$	0.7 - 0.9
2	Tamped density	$\text{g/cm}^3$	1.05 - 1.25
3	Content of free acids as $\text{H}_2\text{SO}_4$	% m/m	max. 0.3
4	Content of magnesium compounds as $\text{MgSO}_4 \cdot \text{H}_2\text{O}$	% m/m	max. 10.0
5	Content of titanium compounds as $\text{TiO}_2$	% m/m	max. 0.9
6	Content of other inorganic salts (Al, Ba, Ca, Mn) as anhydrous sulfates	% m/m	max. 1.0
7	Content of anti-caking agent*	% m/m	max. 0.9

\* Clinoptilolite (1g568) or Sepiolite (E 562) for the grade produced with anti-caking agent.

**Packing:** Big-bags 500 kg, 1000 kg, or being transported in bulk.

**Transport demands:** RID/ADR class - not applicable.

The material should be transported in covered means of transport according to transport regulations being in force.

**Storage:** Stored in dry and roofed places, on the tightly closed package. Protect against moisture. Keep product away from heat sources.

**Term of use:** 12 months after the date of production.

**Safety:** Detailed information is included in Material Safety Data Sheet.

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## Elements:

No.	Determined parameters	Unit	Requirements
1	As	ppm	max. 30
2	Ba	ppm	max. 1000
3	Cd	ppm	max. 10
4	Hg	ppm	max. 0.5
5	Mn	ppm	max. 1000
6	Pb	ppm	max. 100

The declaration of conformity concerning the declared parameters and the content of the elements is delivered upon the customer's request.

*The data provided in this specification are based on the current knowledge about the product and do not replace the tests performed as part of delivery quality control.*