

TECHNICAL DATA SHEET

FERROUS(II) SULPHATE HEPTAHYDRATE, CENTRIFUGED
(FOR INDUSTRIAL APPLICATIONS)

FESPOL®17

Chemical formula: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$

No. CAS: 7782-63-0

No. EINECS: 231-753-5

Guarantee parameters:

No.	Determined parameters	Unit	Requirements
1	Form*	Crystalline powder, light green colour	
2	Content of ferrous ions (Fe^{2+})	% m/m	min. 17.0
3	Content of $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	% m/m	min. 84.6
4	pH of 5% solution	-	2.5 - 4.0
5	Content of matters insoluble in water	% m/m	max. 0.5

* Due to the contained moisture centrifuged ferrous(II) sulphate heptahydrate has a tendency to agglomerate and compress during storage and transport.

Mentioned above parameters are confirmed on the certificate of the analysis by every delivery.

Declared parameters:

No.	Determined parameters	Unit	Requirements
1	Bulk density	g/cm^3	0.7 - 0,9
2	Tamped density	g/cm^3	1.0 - 1.2
3	Content of free acids as H_2SO_4	% m/m	max. 0.5
4	Content of magnesium compounds as MgSO_4	% m/m	max. 6.0
5	Content of titanium compounds as TiO_2	% m/m	max. 0.5
6	Content of other inorganic salts (Al, Ba, Ca, Mn) as anhydrous sulfates	% m/m	max. 0.5

Packing: Transported in bulk (excluding silo tank tracks).

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: Store in dry and roofed places or on the storage yards protected against atmospheric precipitations. Protect against humid conditions. Keep product away from heat sources.

Term of use: Long-term storage lead to oxidation of the product. Adjust the storage period to the application requirements.

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. 500
3	Cd	ppm	max. 10
4	Hg	ppm	max. 0.3
5	Mn	ppm	max. 600
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.