

# TECHNICAL DATA SHEET

## FERROUS(II) SULPHATE HEPTAHYDRATE, DRIED (AS FEED ANIMAL ADDITIVE) FESPOL®20

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 ( $\text{Fe}^{2+}$ )	% m/m	min. 19.5
3	Content of $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	% m/m	min. 97.0
4	pH of 5% solution	-	2.5 - 4.0
5	Content of matters insoluble in water**	% m/m	max. 0.5

\* The product may contain traces of mineral inclusions of different colours. These inclusions come from anti-caking agent and / or dry salt, do not pose a threat and do not limit the use of the product.

\*\* 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	Content of total Fe	% m/m	min. 19.5
2	Bulk density	$\text{g}/\text{cm}^3$	0.7 - 0.9
3	Tamped density	$\text{g}/\text{cm}^3$	0.95 - 1.15
4	Content of free acids as $\text{H}_2\text{SO}_4$	% m/m	max. 0.5
5	Content of magnesium compounds as $\text{MgSO}_4$	% m/m	max. 6.0
6	Content of titanium compounds as $\text{TiO}_2$	% m/m	max. 0.5
7	Content of other inorganic salts (Al, Ba, Ca, Mn) as anhydrous sulfates	% m/m	max. 0.5
8	Content of anti-caking agent*	% m/m	max. 0.9
9	Content of dioxins**	ng WHO-PCDD/F-TEQ/kg	max. 1.0
10	Content of sum of dioxins and dioxin-like PCBs**	ng WHO-PCDD/F-PCBTEQ/kg	max. 1.5
11	Content of non-dioxin-like PCBs**	$\mu\text{g}/\text{kg}$	max. 10.0
12	Content of dioxin-like PCBs**	ng WHO-PCDD/F-TEQ/kg	max. 0.35

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

\*\* According to Directive 2002/32/WE of European Parliament and Council from 7th of May 2002 concerning undesirable substances in animal feeds with further changes.

**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.

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**FESPOL®20**

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No. CAS: 7782-63-0  
No. EINECS: 231-753-5

**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.

**Elements:**

No.	Determined parameters	Unit	Requirements
1	As*	ppm	max. 30
2	Ba	ppm	max. 600
3	Cd*	ppm	max. 10
4	Hg	ppm	max. 0.1
5	Mn	ppm	max. 600
6	Pb*	ppm	max. 100

\* According to Directive 2002/32/WE of European Parliament and Council from 7th of May 2002 concerning undesirable substances in animal feeds with further changes.

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.*