

TECHNICAL ASSIGNMENT
for the purchase of ferrous sulfate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$)
for the needs of "Shurtan Gas Chemical Complex", LLC

1. GENERAL INFORMATION

1.1. Name:

Ferrous sulfate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$).

1.2. Reason and purpose of purchasing of the product.

Basis: Applications for purchasing of ferrous sulfate drawn up on the basis of the annual regulatory requirement of "Shurtan Gas Chemical Complex", LLC for imported chemical reagents for 2022.

Purpose: For the treatment of turbid, hard water with a high pH value.

1.3. Information about novelty (manufacture / production year of the product).

The delivered item must be new, produced not earlier than 2021.

2. SCOPE OF USE

Ferrous sulfate is used for preparation of household and drinking water as a coagulant.

3. TERMS OF USE

Shall be used in accordance with the technical documentation.

4. TECHNICAL REQUIREMENTS

4.1. Basic technical requirements		
CAS	#	7782-63-0
GOST		6981-94
Molecular formula		$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
Ferrous iron content	%/mass	not less than 53
Sulfuric acid content	%/mass	not more than 0,3
Insoluble residue content	%/mass	not more than 0,2
Initial boiling point	°C	300
Initial melting point	°C	64
Solubility in water with increasing of temperature from -1,8 °C to 56,7 °C	%	from 14.91% to 35.3% respectively
Molecular mass	g/mole	278,01
Density	kg/m ³	1,898 (at 20 °C)
4.2. Reliability requirements		
The manufacturer guarantees that the quality of the product meets the requirements of CAS # 7782-63-0 and GOST 6981-94.		
4.3. Marking requirements		
The marking must comply with the requirements of the state standards of the Republic of Uzbekistan, which do not contradict and are not inferior to generally accepted international standards.		
The marking of the goods must contain the deciphered name of the goods, the name of the manufacturer, the address of the location of the manufacturer and the date of production.		
4.4. Requirements for dimensions and packing		



Packing shall ensure the safety of the goods during transportation, loading and unloading operations, from pollution, vibration during its transportation and delivery, taking into account possible overloads, long-term storage and movement of the goods to the place of its use.

Packing must comply with the requirements of the state standards of the Republic of Uzbekistan and generally accepted international standards.

Packing must strictly comply with the product marking.

The cost of tare, packing, marking shall be included in the price of products. The container is non-refundable.

Ferrous sulfate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$) shall be supplied in 50 kg paper bags with an inner plastic bag (moisture resistant).

Other options and sizes of packing are subject to additional agreement with the Customer, subject to their acceptability.

5. REQUIREMENTS AS PER RULES FOR DELIVERY AND ACCEPTANCE

5.1. Procedure of delivery and acceptance

The goods must be accepted after the incoming inspection and drawing up an act in accordance with the contract.

The customer accepts the goods according to the quantity, quality and completeness of the batch, and external signs of the safety of the goods (the presence of mechanical damage, other similar obvious signs of damage) in accordance with the transport and accompanying documents, quality certificates of the manufacturer.

The parties hereby agree that the visual inspection of the goods, carried out by the representative of the Customer, must be absolute and final for the parties to determine the conformity in terms of quantity, completeness and external signs of the safety of the goods during transportation.

When accepting the goods from the carrier, the Customer (consignee) is obliged to check the conformity of the goods with the information specified in the contract, specifications or additional agreements to it, as well as in the transport, accompanying documents, quality certificates of the manufacturer.

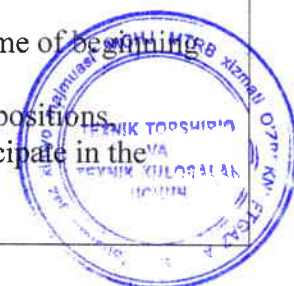
In the event that, during accepting the goods after receiving it from the carrier, a discrepancy of the goods in terms of quality / quantity is revealed, the Customer (consignee) is obliged to suspend the acceptance of the goods, take measures to ensure the safety of the goods and prevent mixing with other homogeneous goods and notify the Seller about this in writing form within 5 (five) working days from the date of detection of deficiencies.

The seller is obliged to send the Customer (consignee) no later than 10 (ten) working days from the date of receipt of the notification a response about the participation of his representative in the further acceptance of the goods. The Seller's representative must appear to participate in the acceptance of the goods within a reasonable time, not exceeding twenty (20) calendar days from the date of receipt of the notification.

If the Seller refuses to participate in the acceptance, or fails to respond to the notification, or fails to appear its representative within the period specified in the contract, the Customer shall have the right to further accept the goods in terms of quality/quantity, with the participation of the representative of an independent expert organization with the preparation of an act in accordance with the contract.

The following information shall be specified in the goods acceptance certificate:

- the name of the Customer (consignee) of the goods;
- the number and date of the certificate, place of acceptance of the goods, the time of beginning and ending of acceptance of the goods;
- the names and initials of persons taking part in the acceptance of goods, their positions, information about documents confirming the authority of these persons to participate in the acceptance of goods, their details;
- names and addresses of the manufacturer of the Seller;



- date and number of notification of the Seller's representative call;
 - detected non-conformity of the goods, its nature;
 - indication of contract number and specification;
 - name and marking of goods according to shipping documents for the corresponding batch of goods;
 - number of places and weight of products according to shipping documents;
 - condition of tare (packaging);
 - weight of identified deficiency for each place;
 - number of shipping document and quality certificate;
 - size, batch number, availability of label;
 - conclusion on the nature of the detected defects of the goods and the reason for their occurrence.
- The Act must be signed by all persons who participated in the acceptance of the goods.

Industrial test:

If the proposed ferrous sulfate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$) has not previously been used in "Shurtan Gas Chemical Complex", LLC or when supplying an analogue of sodium hypochlorite, the Supplier must agree about the possibility of its use with "Shurtan Gas Chemical Complex", LLC in order to ensure the proper quality of the final product. At the same time, it is necessary to make a trial supply of ferrous sulfate ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$) in the amount necessary for test production and pilot testing at the relevant technological units of "Shurtan Gas Chemical Complex", LLC must be carried out within a period of at least one month.

Payment for a trial batch will be made upon achievement of positive results of approbation and subject to receipt of products of proper quality. In case of a negative result, payment for the trial batch will not be carried out.

5.2. Requirements for handing-over of the technical and other documents to the customer during the delivery of goods.

The goods shall be accompanied with the following documentation:

- certificate of conformity of the goods;
- invoice of the Seller with description of the goods, indication of the quantity, price of the unit of goods and total amount;
- consignment note issued in the name of the consignee with the indication of the departure station and the indication of the destination, the name of the Customer, the number and the date of signing of the existing contract;
- Certificate of the country of origin indicating the invoice number and date;
- packing list;
- certificate of the quality of goods issued by the manufacturer;
- product safety data sheet;
- hygienic certificate

6. TRANSPORTATION REQUIREMENTS

Transportation of the goods to the Buyer's address can be carried out by any closed type of transport, in packed form at ambient temperature from 0°C to $+50^\circ\text{C}$. When transporting, it is necessary to take into account the manipulation signs of the manufacturer.

7. STORAGE REQUIREMENTS

The goods must be kept dry and protected from damage and contamination.

8. REQUIREMENTS FOR THE SCOPE AND/OR PERIOD OF GUARANTEES

Residual expiration date, shelf life and quality assurance period - not least 1 year.

9. ENVIRONMENTAL AND SANITARY REQUIREMENTS

Environmental and sanitary requirements of the goods must meet the requirements of regulatory documents acting in the Republic of Uzbekistan.

The quality of the product shall ensure the possibility of its intended use without negative consequences:

- the goods must be safe during its operation, storage, and disposal;



- the goods must not cause any damage to the environment;
- during the input control, the actual technical characteristics of the goods must correspond to the indicators specified in the quality certificate, otherwise the goods will be returned to the Supplier.

10. SAFETY REQUIREMENTS

Ferrous sulfate is a crystalline substance. When it enters the human body, it has a general toxic effect, causes gastrointestinal disorders, irritates the skin and mucous membranes.

The type of danger is aerosol poisoning with Ferrous sulfate.

Use personal protective equipment during handling the product. Avoid direct contact with the product. Do not use inside. Wash your hands with soap and water before eating, drinking or smoking. Protect the product from direct sunlight and heat. Do not allow vapors to be inhaled indoors. Ensure sufficient air supply. Avoid contact with eyes and skin. Do not drink, smoke or eat during working with the product.

11. REQUIREMENTS FOR QUALITY AND CLASSIFICATION

The goods must be of high quality and meet the requirements of the intended use, having the necessary consumer properties and technical characteristics, characteristics of environmental and industrial safety. The quality of the goods must be confirmed by a quality certificate issued by the manufacturer's plant.

12. REQUIREMENTS FOR THE QUANTITY, COMPLETING, PLACE AND TIME (PERIODICITY) OF DELIVERY

The total volume of the required goods is 2.57 tons (2570 kg)

The goods are delivered in full volume.

The delivery date is determined at the time of signing the contract.

The delivery date can change in accordance with the actual rate of production and therefore the delivery date must be agreed with the Customer and delivered on the exact date specified.

Container/Wagon delivery: DAP – railway station “Kengsoy” (station code - 732602), "Uzbekiston Temir Yullari", JSC.

Transport delivery: DAP - Republic of Uzbekistan, Kashkadarya region, Guzar district, Shurtan settlement, 180300.

13. REQUIREMENT FOR THE FORM OF THE SUBMITTED INFORMATION

Text information should be provided in Uzbek or Russian languages, in paper and electronic form (1 copy).

14. LIST OF ACCEPTED ABBREVIATIONS

No	Abbreviations	
1.	LLC	Limited liability company
2.	JSC	Joint-Stock company
3.	TA	Technical assignment
4.	NTD	Normative technical documentation
5.	GOST	State standard

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