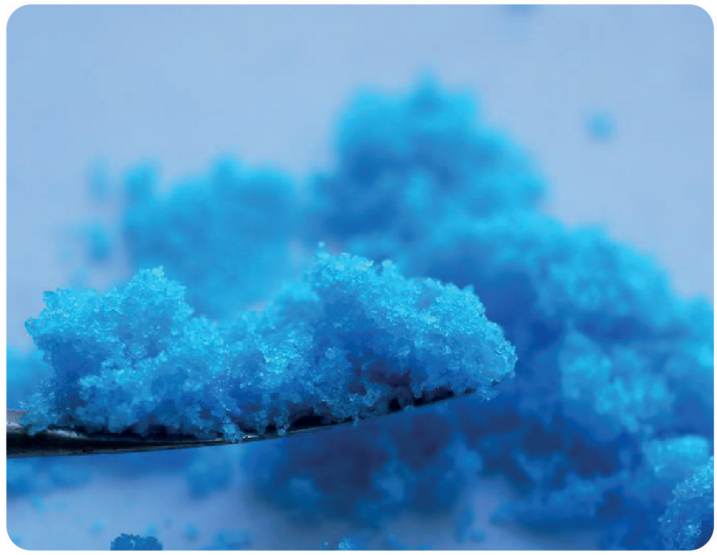
raetcochemi
chemical manufacturer

شرکت فنی مهندسی
شیمی تبادل امیرکبیر

raetcochemi
chemical manufacturer

Copper sulfate $Cu(SO4).5H2O$



Copper (II) sulfate or blue alum mineral compound with chemical formula $Cu(SO4).5H2O$ with 99% purity and with 24% copper in the form of clear blue color crystals in 25 kg packages with high solubility, produced by aeration method and is used in various industries

Application of copper sulfate

- Mining industries for extraction and purification by flotation
- Livestock and poultry industries and supplementation
- Lead and zinc industries
- Fertilizer and pesticide industries

Parameters	Unit	Result
$CuSO_4(H_2O)_5$	%	99
Cu	%	24
H_2O	%	5
pH	-	3
Pb	ppm/max	75
Cb	ppm/max	31

raetcochemi
chemical manufacturer

Zinc sulfate $Zn(SO4).H2O$

Zinc sulfate is a crystalline and colorless inorganic mineral with the chemical formula Zn (SO4).H2O with 99% purity and 33% zinc in the form of white granular powder with high solubility which produced by spray dryer method and used in 25 kg packaging in various industries

Application of zinc sulfate

- Electroplating industry as electrolyte in zinc electroplate
- Livestock and poultry industries as food supplements
- Leather industry as a preservative
- Agricultural industries as chemical fertilizers

Parameters	Unit	Result
$Zn(SO_4).H_2O$	%	<97
Zn	%	34
pH	-	6.5
As	ppm/max	2
Cd	ppm/max	3
Pb	ppm/max	15

raetcochemi
chemical manufacturer

Magnesium sulfate Mg(So4).7H2O

Magnesium sulfate is a solid and odorless compound with the chemical formula Mg (SO4).7H2O in the form of cream-colored white sugar grain crystals. This substance dissolves completely and quickly in water and is very absorbent of moisture and is used as a moisturizer. Other consumer industries in which it's used

Application of magnesium sulfate

- Textile industry as a color stabilizing agent for wool and refractory fabrics
- Agricultural industries for fertilizer production
- Livestock and poultry industries and supplementation

Parameters	Unit	Result
$Mg(SO_4).7H_2O$	%	<97
MgO	%	16
Mg	%	9.5
pH	-	7-7.5
Fe	ppm/max	150
Pb	ppm/max	10

raetcochemi
chemical manufacturer

Iron sulfate FeSO4

Iron sulfate or ferrous sulfate is in the form of greenish white powder with chemical formula FeSO4(H2O)4 and with purity of 98.5% which is dried by rotary dryer dryers and then granulated by vibrator and powdered by mill and is produced with a 24% purity of iron .It's packed in laminated bags

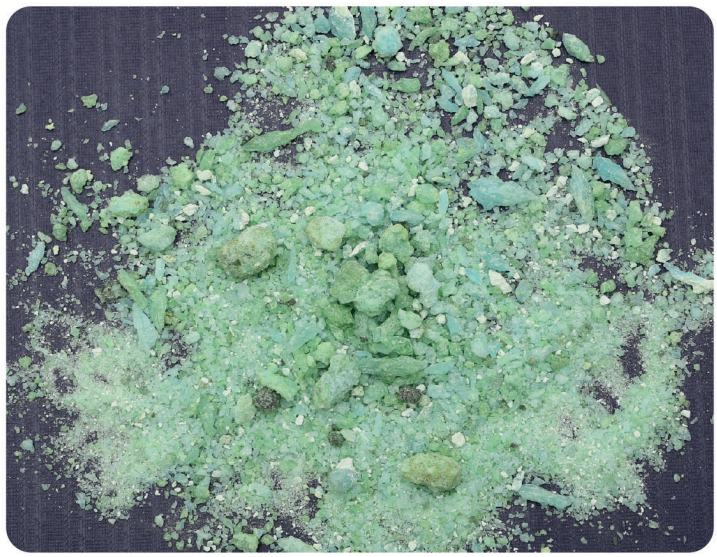
Application of ferrous sulfate

- Pharmaceutical Industries
- Livestock and poultry industries and supplementation
- Agricultural industries as chemical fertilizers

Parameters	Unit	Result
$Fe(SO_4).4H_2O$	%	>98
Fe	%	24
pH	-	3
Pb	ppm/max	100
As	ppm/max	50
Cd	ppm/max	2

raetcochemi
chemical manufacturer

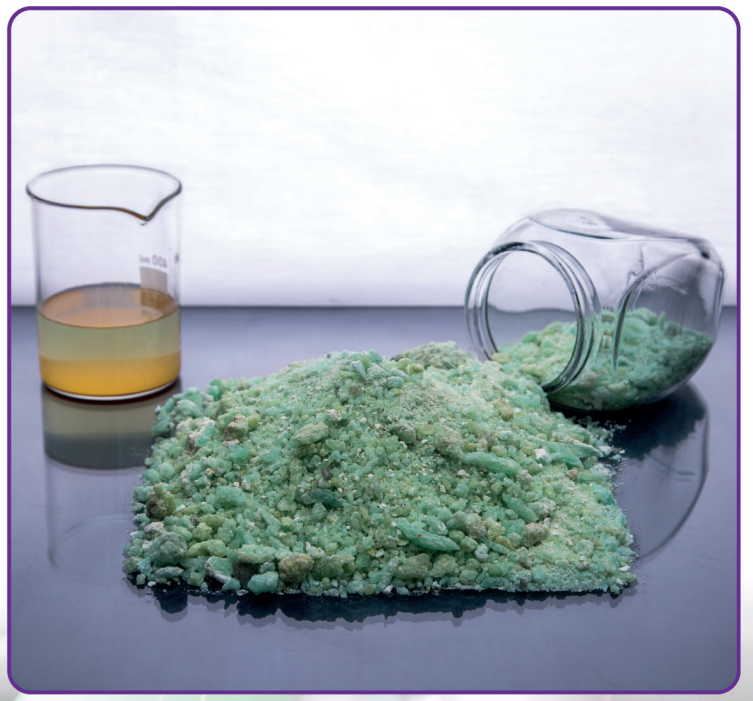
Iron sulfate 19% Fe(SO4).7H2O



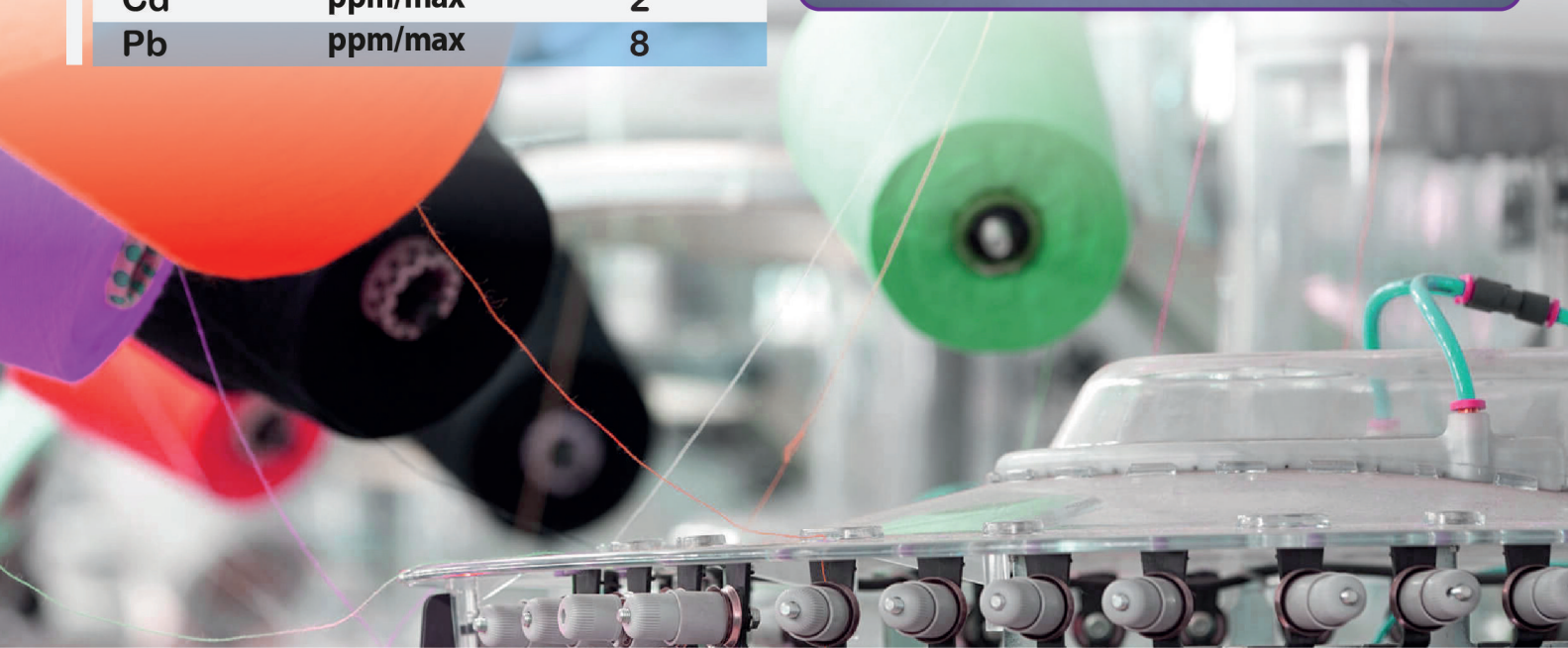
Crystalline iron (II) sulfate with the formula Fe (SO4).7H2O and with 98.5% purity is formed as green crystals with 19% purity of iron it's produced by combination of iron with sulfuric acid and after filtration, it purifies all iron fats and carbons. And is packed in 25 kg packages that are widely used in various industries

Application of ferrous sulfate

- Lead and zinc industries
- Textile Industry
- Livestock and poultry industries
- Water and wastewater industries
- Agriculture industry



Parameters	Unit	Result
$Fe(SO_4).7H_2O$	%	>98
Fe	%	19
pH	-	3
As	ppm/max	20
Cd	ppm/max	2
Pb	ppm/max	8



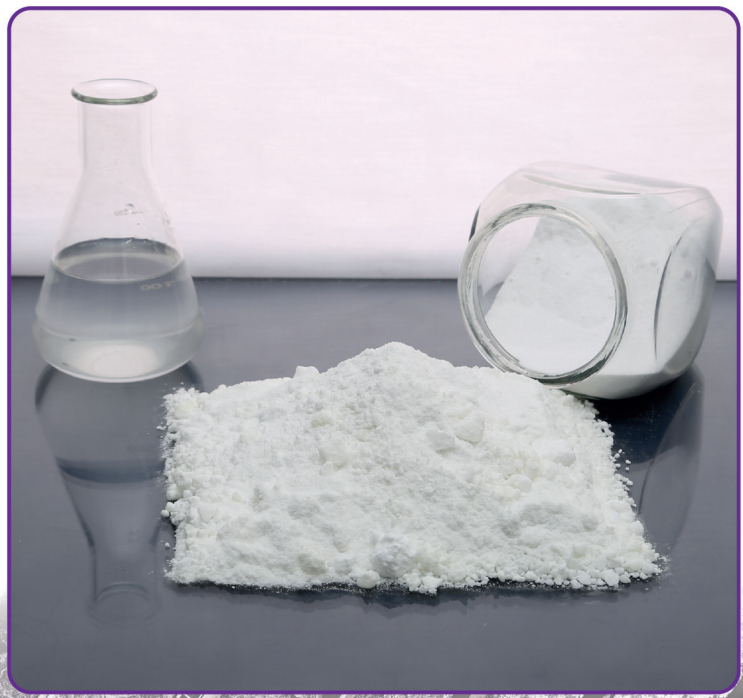
raetcochemi
chemical manufacturer

Aluminum sulfate $Al_2(SO_4)$

Aluminum sulfate is produced by combining the raw material of aluminum hydroxide with sulfuric acid and with 100% solubility in water as a white powder with zero to 5 ml granulation to chemical form Al2 (SO4) 3 (H2O) 16 with 17% purity, It's prepared in different packages of 25 kg of pallets and jumbo and can be offered for different industries

Application of aluminum sulfate

- Metal and lead and zinc industries
- Paper industry
- Water and wastewater treatment industries
- Petrochemical and power plant industries



Parameters	Unit	Result
$Al_2(So_4)_3$	%	>97
Al_2O_3	%	16
H_2O	%	32.9
pH	-	2.4
Insult Mat	ppm/max	400
Fe_2O_3	ppm/max	60

raetcochemi
chemical manufacturer

Headquarters Address: iran , Karaj , Gohardasht three-way
corner of Meysam 11 , Arman Tower , 10th floor , Unit 39

02634437840-41
www.raetcochemi.com
info@raetcochemi.com