



Focus on water treatment for more than 20 years

Yuanbo Profile



Yuanbo Environmental Technology Co., Ltd is a production and trading enterprise, which integrates research, development, design, production, sales and service. Yuanbo focus on pollution control, research and development of biotechnology and high-tech materials. We could provide the whole-process services to customers, such as selection and distribution of sewage treatment chemicals, customization of pollution control equipments, design and construction of pollution control engineering, optimization and upgrading of existing pollution control facilities, operational technology and policy consultation of pollution control facilities, free training of operators, and free testing of water samples or chemicals. The annual production for high-quality products is more than 200,000 tons, Poly Ferric Sulfate (solid/liquid) accounted for 80%, Poly Aluminum Chloride accounted for 20%, becoming the most competitive environmental protection chemicals manufacturer in North China. At present, our market share is more than 65%, and superior products account for more than 90%. Over the past 20 years, our products have been sold in more than 20 countries and regions around the world, the number of global customers has exceeded 10,000.



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Poly Ferric Sulfate (PFS)

Molecular Formula: $[\text{Fe}_2(\text{OH})_n(\text{SO}_4)_{3-n/2}]_m$
Color: Yellow brown powder
Certification: SGS, ISO9001, ISO14001
CAS NO: 10028-22-5
Packing: Woven bags and pp inner liner.
25kgs/bag, 50kgs/bag, 1MT/bag.



Indicator name	national standard	Company standard
Entire iron(mass fraction %)≥	19.5	20.5
Basicity%	5.0-20.2	12.0-16.0
Water insoluble,%≤	0.6	0.4
PH值 /PH value(10g/L solution)	1.5-3.0	2.5-3.0
As (mass fraction %)≤	0.001	0.001
Cd (mass fraction %)≤	0.0005	0.0005
Cr6+ (mass fraction %)≤	0.005	0.005
Pb (mass fraction %)≤	0.002	0.002
Zn (mass fraction %)≤	0.01	0.01
Hg (mass fraction %)≤	0.0001	0.0001
Ni (mass fraction %)≤	0.01	0.01
Reducing material(count by Fe^{2+} %)	0.15	0.03

Poly Aluminium Chloride (PAC)-Industry Grade

Molecular Formula: $[\text{Al}_2(\text{OH})_n\text{Cl}_{6-n}]_m$
Color: Yellow Powder
Certification: SGS, ISO9001, ISO14001
CAS No.: 1327-41-9
Packing: Woven bags and pp inner liner.
25kgs/bag, 50kgs/bag, 1MT/bag.



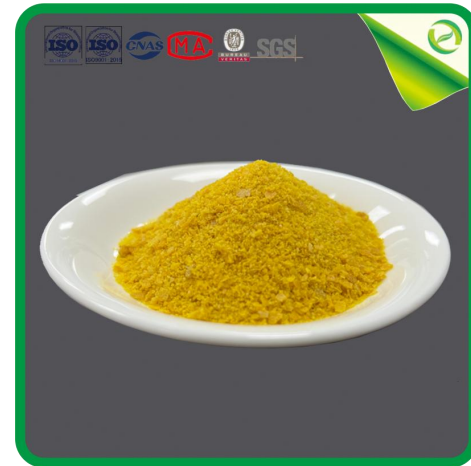
Indicator name	national standard	Company standard
Al_2O_3 (mass fraction %)≥	28	28.5
Basicity%	30.0-95.0	65.0-85.0
Water insoluble,%≤	0.4	0.3
PH value(10g/L solution)	3.5-5.0	3.5-5.0
Fe(mass fraction%)≤	3.5	1.5-3.5
As(mass fraction%)≤	0.0005	0.0005
Pb(mass fraction%)≤	0.002	0.002
Cd(mass fraction%)≤	0.001	0.0005
Hg(mass fraction%)≤	0.00005	0.00005
CR^{6+} (mass fraction%)≤	0.005	0.005



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Poly Aluminium Chloride (PAC)-Industry Grade

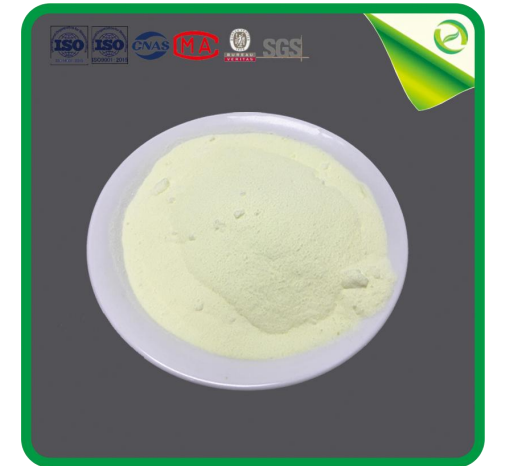
Molecular Formula: $[AL_2(OH)_nCL_{6-n}]_m$
Color: Yellow Granular
Certification: SGS, ISO9001, ISO14001
CAS No.: 1327-41-9
Packing: Woven bags with pp inner liner.
25kgs/bag,50kgs/bag,1MT/bag.



Indicator name	national standard	Company standard
Al ₂ O ₃ (mass fraction %)≥	28	28.5
Basicity%	30.0-95.0	65.0-85.0
Water insoluble,%≤	0.4	0.3
PH value(10g/L solution)	3.5-5.0	3.5-5.0
Fe(mass fraction%)≤	3.5	1.5-3.5
As(mass fraction%)≤	0.0005	0.0005
Pb(mass fraction%)≤	0.002	0.002
Cd(mass fraction%)≤	0.001	0.0005
Hg(mass fraction%)≤	0.00005	0.00005
CR ⁶⁺ (mass fraction%)≤	0.005	0.005

Poly Aluminium Chloride(PAC)-Milky White Drinking Grade

Molecular Formula: $[AL_2(OH)_nCL_{6-n}]_m$
Color: Milky white powder
Certification: SGS, ISO9001, ISO14001
CAS No.: 1327-41-9
Packing: Woven bags with pp inner liner.
25kgs/bag,50kgs/bag,1MT/bag.



Indicator name	national standard	Company standard
Al ₂ O ₃ (mass fraction %)≥	29	29.5
Basicity%	40.0-90.0	45.0-85.0
Water insoluble,%≤	1.0	0.6
PH value(10g/L solution)	3.5-5.0	3.5-5.0
As(mass fraction%)≤	0.001	0.001
Pb(mass fraction%)≤	0.001	0.001
Cd(mass fraction%)≤	0.0005	0.0005
Ag(mass fraction%)≤	0.005	0.005
Hg(mass fraction%)≤	0.0002	0.0002
Se(jmass fraction%)≤	0.001	0.001
CR ⁶⁺ (mass fraction%)≤	0.005	0.005



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Poly Aluminium Chloride (PAC)-Yellow Drinking Grade

Molecular Formula: $[Al_2(OH)_nCl_{6-n}]_m$
Color: Light Yellow
Certification: SGS, ISO9001, ISO14001
CAS No.: 1327-41-9
Packing: Woven bags and pp inner liner.
25kgs/bag, 50kgs/bag, 1MT/bag.



Indicator name	national standard	Company standard
Al ₂ O ₃ (mass fraction %)≥	29	29.5
Basicity%	45.0-90.0	65.0-85.0
Water insoluble,%≤	0.1	0.08
PH value(10g/L solution)	3.5-5.0	3.5-5.0
Fe (mass fraction %)≤	0.2	0.1
As (mass fraction %)≤	0.0001	0.0001
Pb (mass fraction %)≤	0.0005	0.0005
Cd (mass fraction %)≤	0.0001	0.0001
Hg (mass fraction %)≤	0.00001	0.00001
Cr ₆₊ (mass fraction %)≤	0.0005	0.0005

Poly Aluminium Chloride (PAC)-White Drinking Grade

Molecular Formula: $[Al_2(OH)_nCl_{6-n}]_m$
Color: White
Certification: SGS, ISO9001, ISO14001
CAS No.: 1327-41-9
Packing: Woven bags and pp inner liner.
25kgs/bag, 50kgs/bag, 1MT/bag.



Indicator name	national standard	Company standard
Al ₂ O ₃ (mass fraction %)≥	30.0	30.0
Basicity%	45.0-90.0	45.0-55.0
Water insoluble,%≤	0.1	0.08
PH value(10g/L solution)	3.5-5.0	3.5-5.0
Fe (mass fraction %)≤	0.2	0.02
As (mass fraction %)≤	0.0001	0.0001
Pb (mass fraction %)≤	0.0005	0.0005
Cd (mass fraction %)≤	0.0001	0.0001
Hg (mass fraction %)≤	0.00001	0.00001
Cr ₆₊ (mass fraction %)≤	0.0005	0.0005

Polyacrylamide (PAM)-Anionic / Cationic / Nonionic

Molecular Formula : (C3H5NO)n

Color : White Crystal

Certification : SGS, ISO9001, ISO14001,NSF

CAS No.: 9003-05-8

Packing : Woven bags with pp inner liner.
PE
White PE bags



Kraft paper bags with pp inner liner.

25kgs/bag,1MT/bag.

Emulsion Packing: 25kgs/ Drum
1 MT/ Drum



Product Name	Brand Name	Type	Model NO.	MW/Million	Charge Density/%
Polyacrylamide PAM	YB	Nonionic	N0805	10-15	0-5
		Anionic	Y0610	10~12	25
		Anionic	Y0810	15-17	10
		Anionic	Y0815	15-17	15
		Anionic	Y0825	16-18	25
		Anionic	Y0925	18-22	25
		Anionic	Y1040	22-25	40
		Cationic	B8030	11±2	5
		Cationic	B8130	11±2	10
		Cationic	B8230	11±2	20
		Cationic	B8330	11±2	30
		Cationic	B8430	11±2	40
		Cationic	B8530	11±2	50
		Cationic	B8630	11±2	60
		Cationic	B8730	11±2	70
	SNF	Nonionic	All lines and All series of products		
		Anionic			
		Cationic			



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Aluminium Sulfate-Low Iron

Molecular Formula : $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$

Color: White or pale yellow Granular/Powder

Certification : SGS,ISO9001, ISO14001

CAS NO: 10043-01-3

Packing: Woven bags and pp inner liner.
25kgs/bag,50kgs/bag,1MT/bag.



Indicator name	national standard	Company standard
Al ₂ O ₃ (mass fraction %)≥	15.6	16.0
Water insoluble,%≤	0.15	0.1
PH value(10g/L solution)≥	3.0	3.0
Fe (mass fraction %)≤	0.5	0.5
As (mass fraction %)≤	0.0004	0.0004
Pb (mass fraction %)≤	0.001	0.001
Cd (mass fraction %)≤	0.0002	0.0002
Hg (mass fraction %)≤	0.00002	0.00002
Cr ⁶⁺ (mass fraction %)≤	0.001	0.001

Aluminium Sulfate-Iron Free

Molecular Formula : $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$

Color: White or pale yellow Granular/Powder

Certification : SGS,ISO9001, ISO14001

CAS NO: 10043-01-3

Packing: Woven bags and pp inner liner.
25kgs/bag,50kgs/bag,1MT/bag.



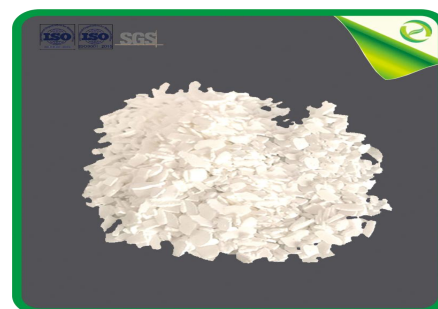
Indicator name	national standard	Company standard
Al ₂ O ₃ (mass fraction %)≥	15.6	16.5
Water insoluble,%≤	0.15	0.1
PH value(10g/L solution)≥	3.0	3.0
Fe (mass fraction %)≤	0.1	0.05
As (mass fraction %)≤	0.0004	0.0004
Pb (mass fraction %)≤	0.001	0.001
Cd (mass fraction %)≤	0.0002	0.0002
Hg (mass fraction %)≤	0.00002	0.00002
Cr ⁶⁺ (mass fraction %)≤	0.001	0.001



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Calcium Chloride Dihydrate

Molecular Formula : $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$
Color : White flake, pellet & powder
Certification : SGS,ISO9001, ISO14001
CAS NO: 10043-52-4
Packing: Woven bags and pp inner liner.
25kgs/bag,1MT/bag.



Indicator name	national standard	Company standard
CaCl_2 (mass fraction %)≥	74	74
Water insoluble,%≤	0.1	0.1
$\text{Ca}(\text{OH})_2$,% ≤	0.2	0.2
NaCl, % ≤	5	5
CaSO_4 , % ≤	0.05	0.05
Fe, % ≤	0.004	0.004
MgCl_2 ,% ≤	0.5	0.5
PH	6.0~11.0	6.0~11.0

Calcium Chloride Anhydrous

Molecular Formula : CaCl_2
Color: White flake, pellet & powder
Certification : SGS,ISO9001, ISO14001
CAS NO: 10043-52-4
Packing : Woven bags and pp inner liner.
25kgs/bag,1MT/bag.



Indicator name	national standard	Company standard
CaCl_2 (mass fraction %)≥	94	94
Water insoluble,%≤	0.15	0.15
$\text{Ca}(\text{OH})_2$,% ≤	0.25	0.25
NaCl, % ≤	5	5
CaSO_4 , % ≤	0.05	0.05
Fe, % ≤	0.004	0.004
MgCl_2 ,% ≤	0.5	0.5
PH	6.0~11.0	6.0~11.0



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Ferrous Sulfate Heptahydrate

Molecular Formula: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
Color: Green Crystal
Certification: SGS, ISO9001, ISO14001
CAS NO: 7782-63-0
Packing: Woven bags and pp inner liner.
25kgs/bag, 50kgs/bag, 1MT/bag.



Indicator name	national standard	Company standard
Content ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$)% \geq	95	98
TiO ₂ (mass fraction %) \leq	0.75	0.5
Cr ⁶⁺ (mass fraction %) \leq	0.001	0.001
Hg (mass fraction %) \leq	0.00002	0.00002
As (mass fraction %) \leq	0.0002	0.0002
Pb (mass fraction %) \leq	0.0004	0.0004
Cd (mass fraction %) \leq	0.0001	0.0001

Ferrous Sulfate Monohydrate

Molecular Formula: $\text{FeSO}_4 \cdot \text{H}_2\text{O}$
Color: Grey-whitezheng
Certification: SGS, ISO9001, ISO14001
CAS NO: 13463-43-9
Packing: Woven bags and pp inner liner.
25kgs/bag, 50kgs/bag, 1MT/bag.



Indicator name	national standard	Company standard
Content ($\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$)% \geq	91.4	91.6
Fe ²⁺ (mass fraction %)	30	30.5
Cr ⁶⁺ (mass fraction %) \leq	0.5	0.4
Hg (mass fraction %) \leq	0.05	0.04
As (mass fraction %) \leq	0.0002	0.0001
Pb (mass fraction %) \leq	0.002	0.001
Zn (mass fraction %) \leq	0.05	0.001

Activated carbon

Posder, Granular,Columnar, Honeycomb
Certification: SGS,ISO9001, ISO14001
CAS NO: 64365-11-3
Packing: Woven bags and pp inner linner.
25kgs/bag,50kgs/bag,1MT/bag. Paper carton



Indicator name	national standard	Company standard
Specification(mesh)	4~325	4~325
Iodine Number(mg/g)	200~1200	200~1200
Methylene Blue(mg/g)	80~250	80~250
Specific Surface Area(m2/g)	200~1300	200~1200
Hardness(%)≥	90	93.5

Polydadmac

Molecular Formula: (C8H16NCl)n
Color: Liquid
Certification: SGS,ISO9001, ISO14001
CAS NO: 26062-79-3
Packing: 210kg/drum, IBC tank



Indicator name	PD LS 41	PD LS 45	PD LS 49	PD LS40HV	PD LS 35	PD LS 20	PD LS 20HV
Appearance	Colourless or light yellow liquid						
Solid content (120°C, 2h)%	39-41				34-36	19-21	
Dynamic Viscosity(25°C)	1000-3000	2500-5000	8000-13000	≥150000	200-1000	100-1000	1000-2000
PH Value	5.0-7.0			2.0-5.0	4.0-7.0		



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Other Chemicals

PRODUCTION NAME	SPECIFICATION	产品名称
DECOLORISING AGENT	50%	脱色剂
EDTA/2NA/4NA	99%	乙二胺四乙酸/2钠/4钠
SODIUM FORMATE	95%MIN, 97%	甲酸钠
CALCIUM FORMATE	99%	甲酸钙
SODIUM THIOSULPHATE	99%	硫代硫酸钠
SODIUM METABISULFITE	98% TECH/FOOD	焦亚硫酸钠
SODIUM TRIMETAPHOSPHATE	TECH/FOOD GRADE	三偏磷酸钠
SODIUM HEXAMETAPHOSPHATE	TECH/FOOD GRADE	六偏磷酸钠
TRISODIUM PHOSPHATE	98% MIN	磷酸三钠
CITRIC ACID	99% FOOD GRADE	柠檬酸
DADMAC	65%MIN	二甲基二烯丙基氯化铵
POTASSIUM BENZOATE	99%MIN	苯甲酸钾
SODIUM LAURYL ETHER SULFATE(SLES)	70%MIN	十二烷基苯磺酸钠
SODIUM LAURYL SULFATE(K12)	92%,95%	K12
COCOAMIDO PROPYL BETAINE(CAB)	35%-55%	甜菜碱

Our Lab

Yuanbo has a multidisciplinary technical team composed of more than 20 technicians. Meanwhile, we have professional testing and analysis equipment and water treatment biochemical pilot equipment. We can respond to various technical problems from customers within 2 hours, provide targeted technical guidance, optimization and upgrading of treatment technology, chemicals slection, energy management, site management, comprehensive utilization of waste, pollutant monitoring and other whole process services to customers. So as to reduce water treatment costs , improve the emission compliance rate, comprehensive benefits , environmental and social performance of enterprises. We are in line with the quality of survival, credibility and development of the purpose, which has been recognized by a large number of customers. According to the current customer service, the system saves energy and reduces consumption by 20%.





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仓库/ Our Warehouse



Our Business





Focus on water treatment for more than 20 years

Cooperation and Exchange



We have established a Long-term cooperative relationship with Department of Environmental Science of Shanghai Tongji University. In terms of solving technical problems in water treatment industry, we have worked together with Tongji University for more than 10 year, and we create many achievements in water treatment industry together. We are now one of the national standard formulation units for Poly Ferric Sulfate and Poly Aluminium Chloride, We have an irreplaceable position in water treatment chemicals industry.

