



**河北昂沐科技有限公司**  
**Hebei Aimes Technology Co., Ltd**

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# Company Profile

Hebei Aimes Technology Company mainly engaged in the research and development, production and sales of activated carbon and related water purification materials. At present, there are more than 20 kinds of products produced, which basically cover applications in various industries.

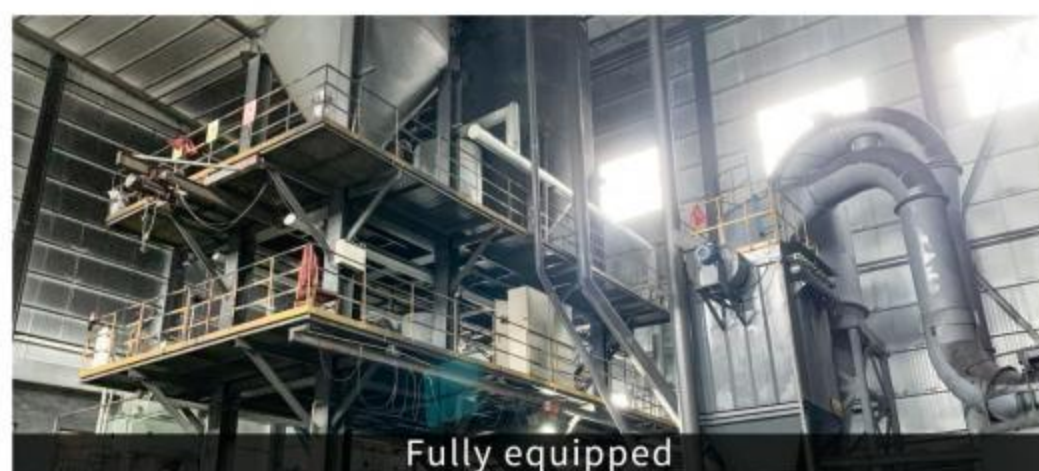
The activated carbon we produce is widely sold in Southeast Asia, Central Asia, the Middle East and Africa. Product effects have received feedback and praise from many customers. Kelin warmly welcomes all customers, scholars and friends to visit our factory for inspection and guidance.



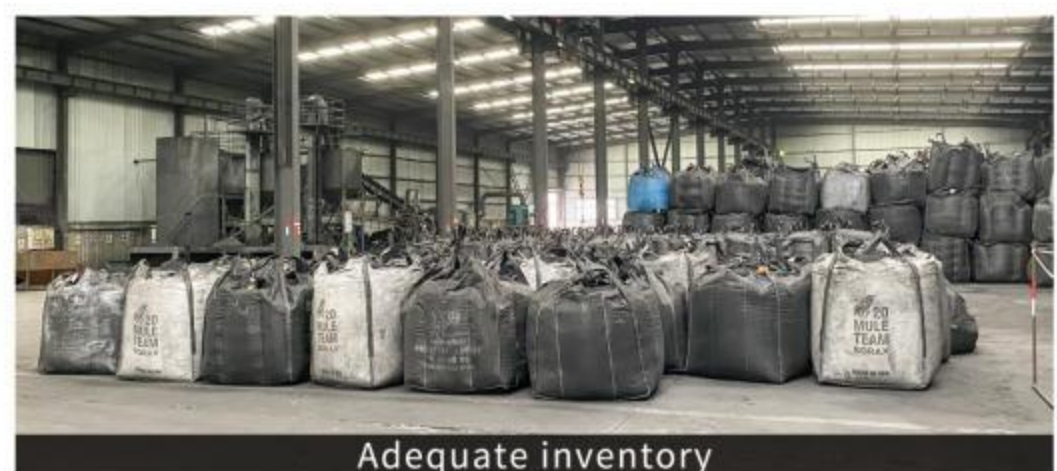
Strength factory



Professional laboratory



Fully equipped



Adequate inventory



Deliver on time

# Product Series



① granular activated carbon



② powder activated carbon



③ columnar activated carbon



④ honeycomb activated carbon



⑤ high-end impregnated catalytic carbon

We focus on the production and operation of various types of activated carbon and have passed ISO 9001, ISO 14001 and ISO 45001 system certification. The products are divided into the following five series: granular activated carbon, powder activated carbon, columnar activated carbon, honeycomb activated carbon and high-end impregnated catalytic carbon.

# Gold Refined Activated Carbon

## AM-GoldSorb Series

AM -GoldSorb Series activated carbon produced by high quality coconut shell, which be carefully selected . It used for golden refining,with good adsorption and elution characteristics,most popular in different CIP CIL gold mines.

### SUPERIORITY:

- \*Excellent hardness and abrasion
- \*High adsorption efficiency
- \*High activity
- \*Advanced pore structure
- \*Excellent adsorption and elution characteristics
- \*Economical operation

### APPLICATION

- \*Gold recovery in CIP & CIL
- \*Silver recovery from photographic wastes
- \*Reworking of ore spoil tips

### PACKAGING

- \*Inner packing: PE bag
- \*Outer packing: PP woven bag/kraft bag
- \*25kg/bag
- (Packaging can be customized)

### General Properties:

CTC activity	%	min.50	[1]
Iodine value	mg/g	min.1000	[2]
Particle sizes	6x12 mesh/8x16 mesh 4x8mesh		[3]
Total ash content	%	max. 4	[4]
Moisture content	%	max. 4	[5]
Hardness	%	min. 99	[6]
Bulk density	kg/m3	460-510	[7]
Platelets	%	max. 7	-
Attrition (A.A.R.L.)	%	max. 2	-

### Typical Characteristics:

Surface area	m2/g	min. 1100
K value	kg/ton	min. 26
R value	-	min. 55

#### Test standard:

[1]GB/T12496.5-1999	[5]GB/T12496.4-1999
[2]GB/T12496.8-1999	[6]GB/T12496.6-1999
[3]GB/T12496.2-1999	[7]GB/T12496.1-1999
[4]GB/T12496.3-1999	

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# Activated carbon for drinking water treatment

## Coconut & Almond Shell-AM-CB

AM-CB series is a high activity granular activated carbon by select high grade coconut shell and apricot shell, specifically manufactured for the treatment of water, both for human drinking water and wastewater, in municipal or industrial applications. The material is compliant with international standards for carbon media used in drinking water application.

### SUPERIORITY:

- \*High adsorption
- \*Less ash
- \*Excellent pore structure
- \*High strength
- \*Durability

### APPLICATION

- \*Drinking water
- \*Soft drink
- \*Beverage
- \*Waste water treatment

### PACKAGING

- \*Inner packing: PE bag
- \*Outer packing: PP woven bag/kraft bag
- \*25kg/bag
- (Packaging can be customized)

### General Properties:

Iodine value	mg/g	800-1200	[1]
Particle size	8x30mesh(2.36-0.6mm) 10x20mesh(2.00-0.85mm) 12x40mesh(1.70-0.425mm) Or Customized		[2]
Moisture content as packed	%	max.5	[3]
Ash content	%	max.5	[4]
Apparent density	kg/m3	min.300	[5]

#### Test standard:

[1]GB/T12496.8-1999
[2]GB/T12496.2-1999
[3]GB/T12496.4-1999
[4]GB/T12496.3-1999
[5]GB/T12496.1-1999

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# Activated Carbon

## Re-H2S-4

Re-H2S-4 activated carbon is a columnar activated carbon impregnated with NaOH or other alkaline agent, which is specially used for H2S adsorption in gas purification.

### SUPERIORITY:

- \* H2S removal
- \* High adsorption efficiency
- \* Acid gas adsorption

### APPLICATION

- \* Gas purification
- \* VOCs treatment
- \* Biogas treatment

### PACKAGING

- \* Woven bag with inner waterproof bag
  - \* 25kg/bag
  - \* 500kg/bag
- (Packaging can be customized)

### SPECS:

Particle size	mm	4	[1]
Iodine value	mg/g	≥800	[2]
Working sulfur capacity	mg/g	≥20	-
NaOH	%	5-10	-
Hardness	%	≥92	[3]
Moisture	%	≤6	[4]
Ash content	%	≤12	[5]
PH	-	Alkaline	[6]
Bulk density	g/ml	≥0.35	[7]

#### Test standard:

[1]GB/T 7702.2-1997	[5]GB/T 7702.15-2008
[2]GB/T 7702.7-2008	[6]GB/T 7702.16-1997
[3]GB/T 7702.3-2008	[7]GB/T 7702.4-1997
[4]GB/T 7702.5-1997	

# Columnar Activated Carbon

## GASORB-4

GASORB-4 product uses the good performance anthracite as material. The raw materials are extruded, carbonized, steam activated and other processes to produce high-adsorption activated carbon.

### SUPERIORITY:

- \* High adsorption capacity
- \* High adsorption efficiency
- \* Standard diameter size

### APPLICATION

- \* Gas purification
- \* VOCs treatment
- \* Industrial water treatment

### PACKAGING

- \* Woven bag with inner waterproof bag
  - \* 25kg/bag
  - \* 500kg/bag
- (Packaging can be customized)

### SPECS:

Particle size	mm	4	[1]
Iodine value	mg/g	≥800	[2]
CTC	/	≥40	[3]
Hardness	%	≥92	[4]
Moisture	%	≤6	[5]
Ash content	%	≤12	[6]
PH	-	Alkaline	[7]
Bulk density	g/ml	≥0.35	[8]

#### Test standard:

[1]GB/T 7702.2-1997	[5]GB/T 7702.5-1997
[2]GB/T 7702.7-2008	[6]GB/T 7702.15-2008
[3]GB/T 7702.13-1997	[7]GB/T 7702.16-1997
[4]GB/T 7702.3-2008	[8]GB/T 7702.4-1997

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# Activated Carbon

## Car-Adsorb

Car-Adsorb type activated carbon is a columnar activated carbon produced from plant-based raw materials, and has high-efficiency adsorption and desorption capabilities.

### SUPERIORITY:

- \* High desorption efficiency
- \* High adsorption efficiency
- \* High purity

### APPLICATION

- \* Car-canister
- \* Solvent recovery
- \* Catalyst carrier

### PACKAGING

- \* Woven bag with inner waterproof bag
  - \* 25kg/bag
  - \* 500kg/bag
- (Packaging can be customized)

### SPECS:

Particle size	mm	2	[1]
Butane activity	%	≥30	[2]
Butane working capacity	g/100L	9-11	[7]
Hardness	%	≥96	[3]
Moisture	%	≤6	[4]
Ash content	%	≤3	[5]
Bulk density	g/ml	≥0.35	[6]

#### Test standard:

[1]GB/T 7702.2-1997	[5]GB/T 7702.15-2008
[2]GB/T 20449	[6]GB/T 7702.4-1997
[3]GB/T 7702.3-2008	[7]GB/T 20449
[4]GB/T 7702.5-1997	

# Water Treatment Activated Carbon

## Coal Particles-AM-CB

AM-CB series is a high activity granular activated carbon produced by steam activation of select grades of coal, as a result of a unique patented activation process and stringent quality control. It with strong strength and high adsorption applied to removal of impurities from water and industrial process.

### SUPERIORITY:

- \* High purity
- \* High strength
- \* High adsorption
- \* Durability
- \* Developed pore structure

### APPLICATION

- \* Drinking water
- \* Soft drink
- \* Beverage
- \* Waste water treatment

### PACKAGING

- \* Inner packing: PE bag
  - \* Outer packing: PP woven bag/kraft bag
  - \* 25kg/bag
- (Packaging can be customized)

### General Properties:

Iodine value	mg/g	700-1100	[2]
Ash content	%	max.15	[4]
Apparent density	kg/m <sup>3</sup>	min.300	[5]
Moisture content as packed	%	max.5	[3]
Particle size		8x30mesh(2.36-0.6mm) 10x20mesh(2.00-0.85mm) 12x40mesh(1.70-0.425mm) Or Customized	[1]

#### Test standard:

[1]GB/T 7702.2-1997
[2]GB/T 7702.7-2008
[3]GB/T 7702.5-1997
[4]GB/T 7702.15-2008
[5]GB/T 7702.4-1997

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## Honeycomb series

Honeycomb activated carbon is made of high-quality powdered activated carbon with excellent adsorption capacity as raw material and extruded by special binder through high temperature sintering process. The product has two types, waterproof and non-waterproof. The product has the characteristics of low wind and desorption resistance, wide contact area, and easy regeneration. It is suitable for VOCs treatment with working conditions of large air volume, low concentration, high efficiency of absorption and desorption.

### SUPERIORITY:

- \* Low concentration
- \* Easily regeneration
- \* Long service life
- \* High efficiency of absorption and desorption

### APPLICATION

- \* Industrial coating
- \* Furniture coating
- \* Packaging color printing
- \* Rubber recycling
- \* Aquarium
- \* Environmental protection equipment remove VOC

### PACKAGING

- \* Outer packing: kraft carton

SPECS:		Coal-based wood-based		
Iodine Value	mg/g	400-900	600-1000	[1]
Rubber recycling Surface Area	m <sup>2</sup> /g	400-1000	400-1000	[2]
CTC	%	15-50	25-55	[1]
Hole size	mm	1.5	1.5	[3]
Wall thickness	mm	1	1	[3]
Number of holes	-	1600	1600	-
Specification	mm	100*100*50 100*100*100	100*100*100 100*100*50	[3]
The benzene adsorption rate	%	25-45	35-55	[5]
Strength Positive Compressive	Mpa	0.9	0.9	[4]
Apparent density	g/ml	0.35-0.5	0.3-0.4	[1]

#### Test standard:

- |                     |                                  |
|---------------------|----------------------------------|
| [1] GB/T 12496      | [4] GB/T 30202.3-2013            |
| [2] BET Method      | [5] Enterprise testing standards |
| [3] Vernier caliper |                                  |

## Carrier catalyst series

Carrier catalyst is a noble metal catalyst supported by high quality activated carbon particles, it has a big surface area and strong effect of catalytic reaction.

### SUPERIORITY:

- \* High selectivity and activity
- \* Easily regeneration
- \* Long service life
- \* High efficiency in very small amounts

### APPLICATION

- \* Petroleum chemical industry
- \* Fine chemical intermediates
- \* The electronics industry
- \* Fuel cell industry
- \* Packaging color printing

### PACKAGING

- \* Outer packing: Tin foil insulated bag
  - \* 25kg/bag
- (Packaging can be customized)

### SPECS:

#### Palladium carbon (Pd/C)

Specifications	-	Pd 101, Pd 103, Pd 105 Pd 107, Pd 110
Precious metal content	%	0.5±0.1, 1±0.2, 3±0.2, 5±0.2, 10±0.2
Specific surface area	m <sup>2</sup> /g	≥950
Metal surface area	m <sup>2</sup> /g	85 ~105
The average particle size of the carrier	μm	was 100
Impurity	M %	≤ 0.3
Particle strength	M %	≥ 90
Moisture content	%	0.1~ 65
Ash	M %	5 or less

#### Test standard:

GB/T15072.4

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