

Activated carbon does not bind well to certain chemicals, including alcohols, glycols, strong acids and bases, metals and most inorganics, such as lithium, sodium, iron, lead, arsenic, fluorine, and boric acid.

Activated carbon does adsorb iodine very well and in fact the iodine number, mg/g, (ASTM D28 Standard Method test) is used as an indication of total surface area.

Activated carbon can be used as a substrate for the application of various chemicals to improve the adsorptive capacity for some inorganic (and problematic organic) compounds such as hydrogen sulfide (H<sub>2</sub>S), ammonia (NH<sub>3</sub>), formaldehyde (HCOH), radioisotopes iodine-131(131I) and mercury (Hg). This property is known as chemisorption.

## Activated carbon for chemical reagents

### Activated carbon technology:

These series of activated carbon are made from nut shell with good quality and hardness or charcoal, activated via high temperature water steam method, then during the process of crushing, after treatment technology. Powder and granular form for your choice. AC products are in accordance with National Industrial Producing Certificate Standards NO.: XK13-201-00466.



### Activated carbon characteristics:

These series of activated carbon with strong adsorption, high purity, excellent hardness, character stabilization, granular uniformity, high rapid filtering, long using period etc.

### Activated carbon using fields:

Widely used in scientific research, chemical analysis, high purity reagents, medicine preparation, biology preparation, industry of fine chemicals, food additive, catalyst carrier, nickel electroplate purification.

### Activated carbon datasheet

item/type/stpc	Raw Material	Mesh	moisture % ≤	Fe % ≤	Cl % ≤	Zn % ≤	Pb % ≤	sulfate % ≤	PH	Soluble Matter in Acid % ≤	Soluble Matter in Alcohol % ≤	As h % ≤	MB Valure (mg/g) ≥	
Reagent Series	CX-AR	NutShell	20-50	10	0.02	0.05	0.05	0.005	0.10	5.0-7.0	0.8	0.2	3.0	105±10
	CX-CP	NutShell	20-50	15	0.10	0.10	0.10	0.01	0.15	4.5-7.5	2.0	0.2	4.0	105±10
	CX-AR	Wood	200	10	0.02	0.05	0.05	0.005	0.10	5.0-7.0	0.8	0.2	2.0	160±10
	CX-CP	Wood	200	15	0.10	0.10	0.10	0.01	0.15	4.5-7.5	2.0	0.2	3.0	130±10

## Remarks:

We also could supply the specific quality activated carbon products according to the consumers' requirements.