

Activated Carbon

Cat: NM000730

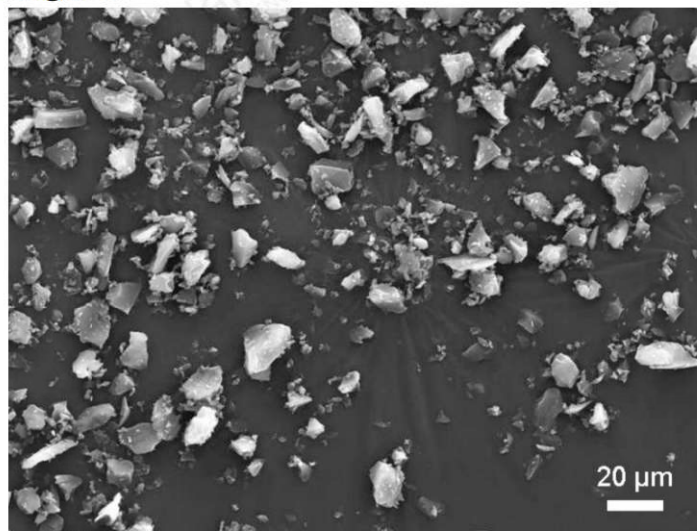
Specification: 100g/500g

Storage: Sealed, avoid light, and keep at room temperature. Expiry date: 1 year.

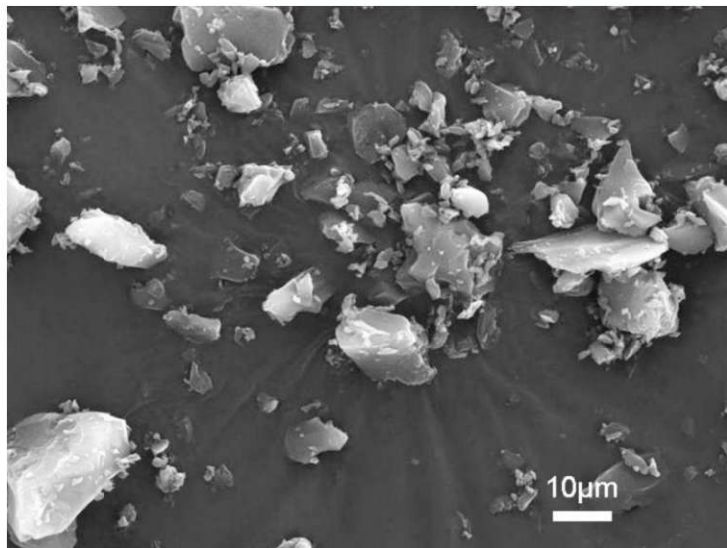
Product Introduction:

Product name	Activated Carbon
Particle size (D50)	$5 \pm 1 \mu\text{m}$
Surface area	$1800(\pm 100) \text{ m}^2/\text{g}$
Pore volume	$1.0\text{-}1.2 \text{ cm}^3/\text{g}$
Pore size	$2.0\text{-}2.2 \text{ nm}$
Carbon	>95%
Ash content	<0.07%
Density	$0.38\text{-}0.40 \text{ g/cc}$
pH 值 pH	6.5-7.5
Iodine adsorption	$2000(\pm 100) \text{ mg/g}$
Ions from ICP	<1000 ppm
Organic capacitance	> 130 F/g
Organic capacitance	> 60 F/cc

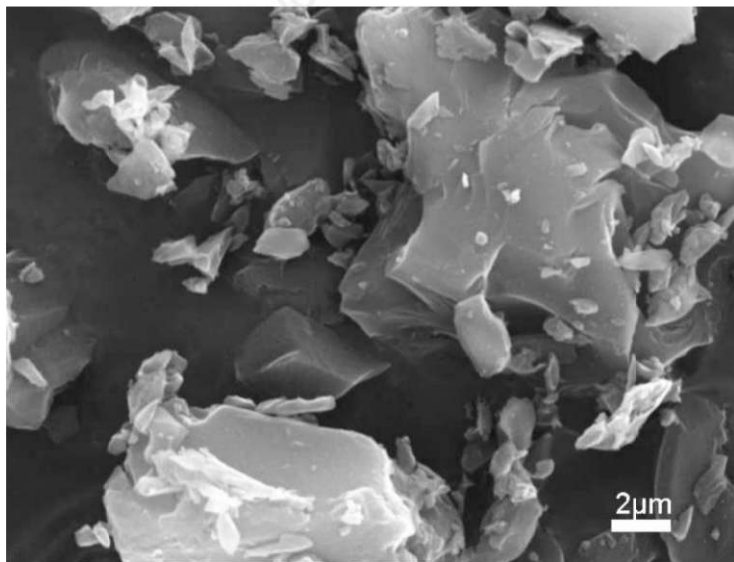
Representation Test Diagram:



SEM of Activated Carbon (20 μm)



SEM of Activated Carbon (10µm)



SEM of Activated Carbon (2µm)

Application:

Activated carbon with large surface area, concentrated hole distribution, low ash content and good conductivity and other characteristics, is suitable for super capacitors, high-performance batteries, heavy metal recovery carrier etc.

Note:

1. This product is for scientific research use only. Do not use for medical, clinical diagnostic or therapeutic, food or cosmetic purposes. Do not store in ordinary residential areas.
2. For your safety and health, please wear a laboratory coat and wear disposable gloves and masks to operate.