Coconut Shell Activated Carbon Technical Data Sheet (TDS)

1. Product Description

Coconut shell activated carbon is produced from high-quality coconut shells through steam activation. It features a large specific surface area, well-developed microporous structure, and high adsorption performance. It is ideal for water treatment, air purification, gold recovery, and solvent recovery applications.

2. Typical Chemical & Physical Properties

Parameter	Unit	Typical Value	Test Method
Iodine Value	mg/g	1000–1200	ASTM D4607
CTC Activity	%	65-90	ASTM D3467
Surface Area	m²/g	1000-1200	ASTM D6556
Moisture	%	≤5	ASTM D2867
Ash Content	%	≤3	ASTM D2866
Bulk Density	g/cm³	0.48–0.55	ASTM D2854
Hardness	%	≥95	ASTM D3802
pH (in water)	–	8–10	ASTM D3838
Particle Size	mesh	4×8, 8×30, 12×40, 20×50	ASTM D5158

3. Applications

- Drinking water purification
- Industrial wastewater treatment
- Air and gas purification
- Gold recovery
- Solvent recovery
- Food and beverage processing

4. Packaging & Storage

Packaging: 25 kg woven bag or 500 kg jumbo bag (customizable)
Storage: Store in a cool, dry, ventilated place. Protect from moisture and contamination.

5. Quality & Compliance

- Produced in accordance with ASTM and ISO standards
- NSF/ANSI 61 compliant for potable water
- Each batch tested prior to shipment

6. Remark

The above values are typical data for reference. Custom specifications and technical support are available upon request.