

# Activated Carbon for Food and Medical Use

Code: MD

## About the product

MD is a highly purified coconut shell-based activated carbon that complies with the European Pharmacopoeia (Ph. Eur.). Engineered for safety and adsorption performance, it is suitable for applications involving human consumption, such as food additives and medical formulations. Supplied as a fine powder with pre-adjusted pH.

### FEATURES

#### Ph. Eur.-Grade Purity

Produced from premium coconut shell carbon and refined to meet stringent purity standards. Contains only 0.2% ash and 5.1% moisture loss, ensuring exceptional cleanliness.

#### Advanced Safety Control

pH is adjusted during processing to ensure suitability for ingestion and medical use.

#### High Adsorption Capacity

BET surface area: 1526.5 m<sup>2</sup>/g. Fine particle size (15.96 µm) allows for rapid and effective adsorption.

#### Stable Physical Properties

Powder form with bulk density of 0.46 g/cm<sup>3</sup> provides excellent compatibility with tablet formulation and food mixing.

### PRODUCT PROPERTIES

1	Shape	—	Powder
2	Material	—	Coconut shell
3	Activation Method	—	Steam Activation
4	Catalyst	—	-
5	Iodine number	mg/g	1,350 <
6	Moisture content	%	10 >
7	Total ash content	%	1 >
8	Surface area	m <sup>2</sup> /g	ca.1,500
9	Pore volume	cm <sup>3</sup> /g	ca.0.126
10	Apparent density	g/cc	ca. 0.46
11	pH	—	6-8
12	Particle size	µm	ave.15

### APPLICATION

#### Pharmaceutical and Medical Use

Suitable for gastrointestinal detoxification products such as activated carbon capsules and adsorbent agents.

#### Food-Related Use

Ideal for use in functional foods, detox products, and beverage additives.

### HEALTH AND SAFETY

Review all relevant health and safety information be for using this product. For complete health and safety information, refer to the Safety Data Sheets.

### PACKING

15kg paper bag