

1. Fine White Charcoal(Binchotan)

Charcoal is composed of carbon, ash (minerals) and water. Charcoal has many holes. The holes both suck in and expel external substances. Using this principle, it is used for dehumidification, deodorization, and air purification. Charcoal is divided into black charcoal, white/Fine charcoal, and activated carbon. Black and White charcoal are made of wood. Activated carbon is made from other carbon compounds (building waste, bark, plastics, etc.). White charcoal is a conductor with a carbon content of 96% or more. Black charcoal is an insulator with a carbon content of 84%. Activated carbon is also an insulator.

Kind of Charcoal?

- 1) Black Charcoal : Most of the charcoal currently generally grilled contains a lot of black charcoal. Charcoal that is usually baked at a temperature of 400-700 degrees for 3-4 days is called Black charcoal.
- 2) Fine charcoal: White charcoal is charcoal that is baked for 7 to 25 days at a temperature of 1,000-1,400 degrees. Air is blown through the air hole on the top of the charcoal kiln, which is almost burned, to open the crater at an appropriate time, take out the charcoal, and cover it with a mixture of lime, sand and soil. It refers to the cooled charcoal.
- 3) Kind of Fine charcoal
 - A. white charcoal: Charcoal that is cooled after exhausting the gas of charcoal from the kiln for about 12 hours
 - B. Fine charcoal: Charcoal that has been gas-digested for about 24 hours, commonly referred to as fine charcoal
 - C. Fine white charcoal : Charcoal that has been degassed for more than 36 hours (there is no gas when ignited, and less smell/dust because it does not splatter) as the highest quality among white/fine charcoal, and Binchotan is also a kind of fine white charcoal.

BINCHOTAN(備長炭, BiJangTan)?

Binchotan charcoal is called the highest grade charcoal or golden charcoal among charcoal, and the hardness and quality of charcoal is so hard that it is hard to compare with white or black charcoal. The method of grilling charcoal is similar to that of white charcoal, but the roasting period is about 15 days longer, and the wood itself is different from that of real charcoal. Most of the charcoals distributed in worldwide are from Laos, and the charcoal is made by using a prickly tree called 'Maitiew' (English: *Quercus phillyraeoides*). The density is very high, the charcoal is hard and has no grain, so it is characterized by not splashing too much.

In addition, eucalyptus (Bạch đàn), coffee tree (Chi cà phê), and lychee tree (Cây Vải) are also used to make binchotan charcoal.

Maitiew Tree Habitat: Mainly found in southern China, northeast Laos, and northwest Vietnam. These three countries produce Binchotan and export it all over the world.

Specification of Binchotan

Caloric value	> 7,600Kcal/Kg
Mineral	2~3%
Carbon	> 96%
Moisture	2.0 % ± 0.5



Maitiew tree



Status of Maitiew tree logging



Laos' Maitiew wood-grilled charcoal
(produced from the local area)



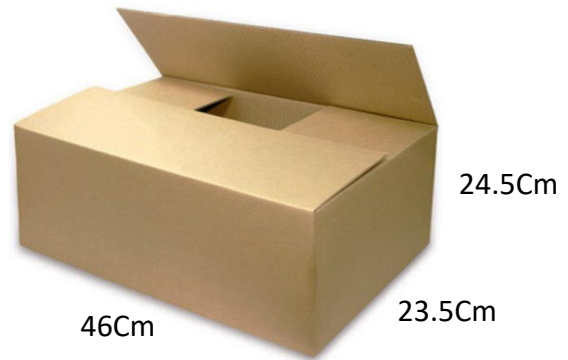
Japan Binchotan/Golden Charcoal

Packing

1. Paper Box(5 layers)

Logo : Printing available upon customer request

Box size : It can be changed according to the customer's request, but it needs to be adjusted slightly so that it can be loaded as much as possible in the export container (cost reduction required)



Net weight : 10 ± 0.15 Kg

2. Container load

	Price/Unit	20Feet	40Feet
with Pallet	Little higher		
Boxes loaded	Box	960	1,920
without Pallet	Normal		
Boxes loaded	Box	1,125	2,340
Weight	Ton	9.6 ~ 11.3	19 ~ 23.4

3. Trade condition : FOB Vietnam or CIF

4. Payment : 100% T/T before shipping

5. Delivery : 1 week after P/O

*** About Laos: Laos is a landlocked country (without ports) surrounded by China, Vietnam, Cambodia and Thailand, and almost all maritime shipping is done through ports in Vietnam, Thailand, and China, So, Laos' Binchotan are also exported to worldwide through China and Vietnam.

2. Coconut Shell Charcoal

Coconut shell charcoal has been produced in Vietnam for over the past 50 years. Taking advantage of available raw materials is coconut shells, with more than 100,000 tons of coconut shells being discharged into the environment annually by more than 30 million coconuts in the southern provinces alone. The coconut shell charcoal production market has grown in recent years. The price of coconut shell materials is relatively cheap, leading to the cost of coconut shell charcoal products very affordable. Helping coconut shell charcoal products gradually gain popularity and acceptance by the market. Coconut shell charcoal is known to us mainly from 2 main products, coconut shell charcoal grill and coconut shell activated carbon. Both products are produced from natural coconut shell materials.

Coconut shell charcoal production process

Step 1 : Sort and select coconut shell materials. In order to produce good quality charcoal products, the selected coconut shell material is old, clean and low in moisture.

Step 2 : Coconut shells are carbonized in an anaerobic furnace at extremely high temperatures above 1000⁰C based on Binchotan coal production technology. Helps remove moisture, volatile substances, impurities in coconut shells.

Step 3 : Finished coconut shell charcoal is milled, crushed to a fairly uniform size. Coal is pressed in the mold under the strong pressure of the machine.

Compressed & Molded Coconut Shell Charcoal



Grilled Coconut Shell



Hexagon Type Charcoal



Usage of Coconut Shell charcoal



Granular Type Charcoal



Square Type Charcoal

Is coconut shell charcoal toxic?

Coconut shell charcoal with high carbon content, has removed most of the impurities, so it is quite safe during use.

However, as we have shared in previous posts, coconut shell charcoal is like charcoal, sawdust or Binchotan white coal. With the main component being carbon, when burned in anaerobic conditions, it will produce CO, which is extremely toxic to the human body. Coconut shell charcoal in the burning process usually does not generate smoke, which is a feature that many customers prefer. The sulfur content in coal causes coconut shell charcoal to produce a small amount of toxic gas SO_2 and SO_3 when burned, often with a recognizable odor. This amount of gas is significantly reduced through anaerobic carbonization.

Coconut shell charcoal is widely used

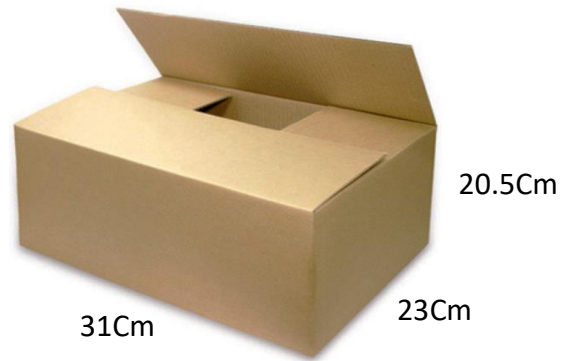
Coconut shell charcoal grill is widely used in many grilled restaurants today. Because, The anaerobic carbon process helps limit dust and odors that affect the quality of baked goods Relatively cheap price helps to save costs by taking advantage of available coconut shell materials. The average burning time is 2 hours, which is longer than the burning time of ordinary black charcoal. Charcoal is produced according to eye-catching molds, packaging and using are relatively simple and clean. You should pay attention, the use of coconut shell charcoal as well as other types of BBQ charcoal always has potential risks.

Packing

1. Paper Box(5 layers)

Logo : Printing available upon customer request

Box size: It can be changed according to the customer's request, but it needs to be adjusted slightly so that it can be loaded as much as possible in the export container (cost reduction required) :



Net weight : 10±0.15 Kg

2. Container load

	Price/Unit	20Feet	40Feet
with Pallet	Little higher		
Boxes loaded	Box	1,200	2,500
without Pallet	Normal		
Boxes loaded	Box	1,500 ~ 1,600	2,500
Weight	Ton	12 ~ 16	25

3. Trade condition : FOB Vietnam

4. Payment : 100% T/T before shipping

5. Delivery : 1 week after P/O

*** About Laos: Laos is a landlocked country (without ports) surrounded by China, Vietnam, Cambodia and Thailand, and almost all maritime shipping is done through ports in Vietnam, Thailand, and China, So, Laos' Binchotan are also exported to worldwide through China and Vietnam.