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SUGAR 白糖



Sugar generally refers to edible and sweet crystals, which are sugars in chemistry and are composed of carbon, hydrogen and oxygen. They are divided into monosaccharide and disaccharide. Monosaccharide has a relatively simple structure, and the most common ones are glucose and fructose, which are easy to be absorbed by the human body. Disaccharides are commonly sucrose, maltose and so on. Most of the sugars that exist in nature are disaccharides. Some chemical substances also have a sweet taste, but they will not be classified as sugar. They are called sweeteners and sugar substitutes. Sugar is mainly used in food, pastries, beverages, confectionery products, alcohol, and can also be made into ethanol fuel additives.

糖泛指可食用並帶有甜味的晶體，在化學中屬醣類，由碳、氫、氧三種元素組成，分成單醣與雙醣，



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單醣結構較為簡單，常見的是葡萄糖、果糖等，人體較容易吸收。而雙醣常見的是蔗糖、麥芽糖等。自然界中存在的醣類大多是雙醣，有些化學物質也有甜味，但不會歸為糖，稱為甜味劑，又稱代糖。糖主要用於食品、糕點、飲料、糖果製品、酒類，還可製成乙醇燃料添加劑。

OVERVIEW OF GLOBAL PRODUCTION TRADING

全球產量交易概況

Major producing countries: Brazil, EU, India, Mainland China. On the production side, the world's annual sugar production is about 1.6 million tons, the largest producer is Brazil (22%); It was followed by India (15 percent) and the European Union (10 percent). More than 130 countries produce sugar, but 70% of them are produced for domestic consumption and only 30% are traded internationally. The top ten producers in the international raw sugar export trade, led by Brazil, account for about 92% of the total 20 trade. Brazil was the largest net exporter in 2016, accounting for 45% of global trade that year; China was the largest net importer for the year, importing 26,200 tonnes of raw sugar and 38,900 tonnes of white sugar.

主要的生產國：巴西、歐盟、印度、中國大陸。生產面上，全球的糖年產量約 160 萬噸，產量最大的國家是巴西約 (22%); 其次是印度 (15%) 和歐盟 (10%) 等。全球有 130 餘個國家生產糖，但



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其中 70% 都在生產國內消費，只有三成在國際貿易流通。國際原糖出口貿易中以巴西為首的前十大生產國佔 20 貿易總量約 92%。2016 年時，巴西是最大淨出口國，佔該年全球貿易總量 45%；中國是該年最大的淨進口國，其原糖進口量為 2.62 萬噸，白糖則為 3.89 萬噸。

SPECIES 種類

White sugar extracted from sucrose, its sugar ratio is more than 99.6%. It refers to the high purity white sugar made from the raw material sucrose by dissolving impurities and crystallization for many times.

從蔗糖中提煉出來的白糖，其糖度比是 99.6% 以上。是指原料蔗糖經溶解去雜質及多次結晶煉製而成的高純度白糖。

QUALITY STANDARDS

品質標準

According to the classification of National standard GB13104-2014 National Standard Sugar for Food Safety, white granulated sugar is defined as the small particle crystallization of sugar juice removed, and the two most important indicators for the classification of white



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granulated sugar are sucrose content and sulfur dioxide residue. The high grade sugar contains less sulfur than the first and second grade sugar.

國標《GB13104-2014 食品安全國家標準 食糖》分類將白砂糖定義為去除了糖汁的小顆粒結晶，而關於白砂糖等級的劃分，最重要的兩個指標是蔗糖含量和二氧化硫殘留。優級白砂糖相對一、二級品含硫機率低。