



ELECTROLYTIC COPPER 電解銅



It refers to the crude copper (copper content of 99%) made of thick plate as anode, pure copper made of thin sheet as cathode, with sulfuric acid (H_2SO_4) and copper sulfate ($CuSO_4$) mixed liquid as electrolyte. After electrifying, copper dissolves into copper ions (Cu) from the anode and moves to the cathode. After reaching the cathode, it will obtain electrons and precipitate pure copper in the cathode, which is of high quality and can be used to make electrical products.

是指將粗銅（含量銅 99%）預先制成厚板作為陽極，純銅制成薄片作陰極，以硫酸（ H_2SO_4 ）和硫酸銅（ $CuSO_4$ ）的混和液作為電解液。通電後，銅從陽極溶解成銅離子（ Cu ）向陰極移動，到達陰



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極後將會獲得電子而在陰極析出純銅，質量極高，可以用來制作電氣產品。

PRODUCT INTRODUCTION 商品簡介

According to the data of 2022-2026 Malaysia Mining Investment Prospect and Risk Analysis Report released by the Environmental Protection Mineral research Group of Global Impression Investment Analysis Malaysia Business Division, the region is rich in mineral resources, especially copper, nickel, aluminum, titanium, potash, oil and natural gas, which have attracted more attention from the mining industry.

Copper mining area, Lanao County, West Coast Province, Sabah, Malaysia. Located on the southern slope of Mount Kinabalu at an altitude of 1,200 to 1,500 meters, there are open-pit porphyry copper veins with ore reserves of 178 million tons, average grade of 0.6%, recoverable reserves of 83 million tons, and gold content of 0.635% per ton. It was the first mine to come into operation in Sabah in 1975 and is one of the richest copper mines in Southeast Asia. The copper ore is transported by road to the port of Gusugen on the south coast for export.

根據環球印象投資分析馬來西亞事業部環保礦產課題組發布的《2022-2026年馬來西亞礦業投資前景及風險分析報告》數據顯示，該地區礦產資源比較豐富，特別是銅、鎳、鋁、鈦、鉀鹽、石油、天然氣，受到礦業界的較多關注。



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馬來西亞沙巴州西海岸省蘭瑙縣銅礦區。位於基納巴盧山南坡，海拔 1,200-1,500 米，有露天斑
巖銅礦脈，礦石儲量 17,800 萬噸，平均品位 0.6%，可采儲量 8,300 萬噸，每噸礦石含金 0.635%。
是沙巴 1975 年第一個投產的礦場，東南亞最豐富的銅礦之一。銅礦石經由公路運往南海岸的籲蘇根
港出口。

ELETROLYTIC COPPER SPECIFICATION STANDARD SOURCE

電解銅規格之標準來源

The standard of electrolytic copper is revised with reference to ASTM B115-93 "Cathode Copper" and GB467-82 "Electrolytic Copper". The standard changes the electrolytic copper (Cu-1) in the original GB467-82 to the standard cathode copper (Cu-CATH-2), which is equivalent to the No. 2 cathode copper in ASTM B115.

電解銅的標準是參照 ASTM B115-93《陰極銅》對 GB467-82《電解銅》進行修訂的。標準將原 GB467-82 中的電解銅(Cu-1)改名為標準陰極銅(Cu-CATH-2)，相當於 ASTM B115 中的 2 號陰極銅。



ELECTROLYTIC COPPER SPECIFICATIONS

電解銅規格要求

1. Electrolytic copper is supplied as a whole. Cuts may also be supplied upon negotiation between the supply and demand parties.
 - 2, electrolytic copper block should withstand ordinary loading and unloading without brittle fracture.
 3. The weight of a single electrolytic copper shall not be less than 15kg or the thickness of the central part shall not be less than 5mm.
- 1、電解銅以整塊供應。經供需雙方協商,也可供應切塊。
 - 2、電解銅塊應經受普通裝卸而不脆斷。
 - 3、單塊電解銅的重量應不小於 15kg 或中心部位厚度不小於 5mm。



THE RELEVANT PRODUCT SPECIFICATIONS ARE AS FOLLOWS

產品相關規格如下

Electrolytic Copper Cathode:

1. Product Grade: Grade A
2. Purity:99.97%-99.99%
3. Weigh of each sheet:125KGs (+/- 1%)
4. Net weight of each pallet:2MTs (+/- 1%)
5. Min. Weight of each container:20MTs approx.
6. Gross weight of each container:22.20MTs approx

電解銅:

1. 產品等級：A 級
2. 純度：99.97%-99.99%
3. 每片重量：125KGs (+/- 1%)
4. 每板淨重：2MTs (+/- 1%)
5. 美貨櫃最小重量：約為 20MTs
6. 美貨櫃毛重：約為 22.20MTs