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Activated Carbon Market Weekly

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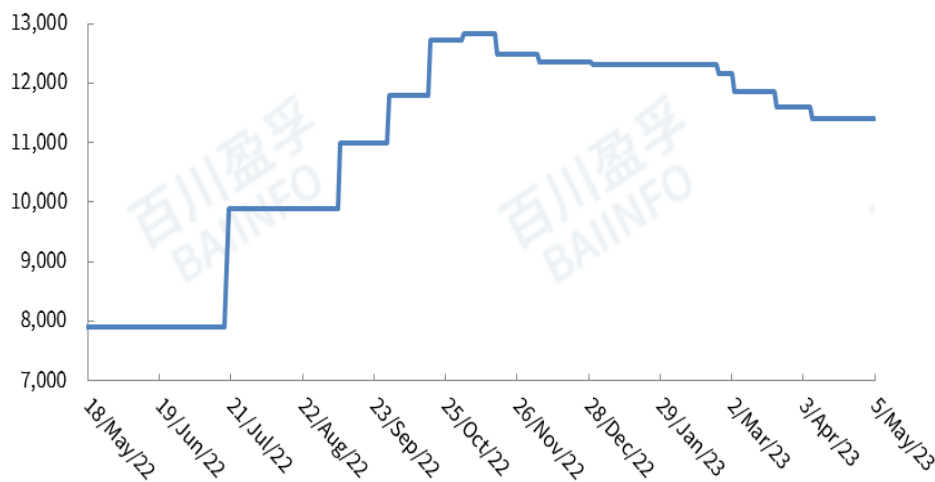
Activated Carbon Market Review

This week, activated carbon market registered stable-and-weak scenario. As of May 5, average market price of coal-based activated carbon (800 iodine value) was at RMB 11,400/T, keeping flat with last week. Raw material coal market went downward, providing weakening cost support for activated carbon market.

Activated Carbon Price Change

| | May 5 | Week avg. | Apr. 27 | Last Week avg. | WoW |
|--|--------|-----------|---------|----------------|-----|
| Coal-based Activated Carbon (800 Iodine Value) | 11,400 | 11,400 | 11,400 | 11,400 | 0% |

Activated Carbon Average Market Price Trend (Unit: RMB/T)



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Activated Carbon Market Supply

As for supply, coal-based activated carbon enterprises carried on normal production with ordinary shipment.

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Activated Carbon Market Demand

As for demand, downstream enterprises held stable production and they purchased coal-based activated carbon on rigid demand.

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Activated Carbon Market Forecast

Raw material coal market is still possible to move down, which will provide no cost support for coal-based activated carbon market. Downstream enterprises mostly take cargoes on rigid demand with few inquiries. Hence, activated carbon market is forecasted to consolidate weakly next week, with price estimated at RMB 10,500-11,000/T.

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Upstream Market

This week, coal market went downward. Coal mines mostly carried on normal production during the May Day holiday. However, due to sluggish downstream demand, shipment of coal was not good. Thus, price of some types with relatively high inventory was still likely to slide down. On the whole, steel mills are still probable to cut production in May. Besides, coke price is still likely to decline after the May Day holiday, so demand for coal continuously decreases. It is predicted that coal market will move down further in the short term.

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Activated Carbon Import & Export Data

Wooden Activated Carbon

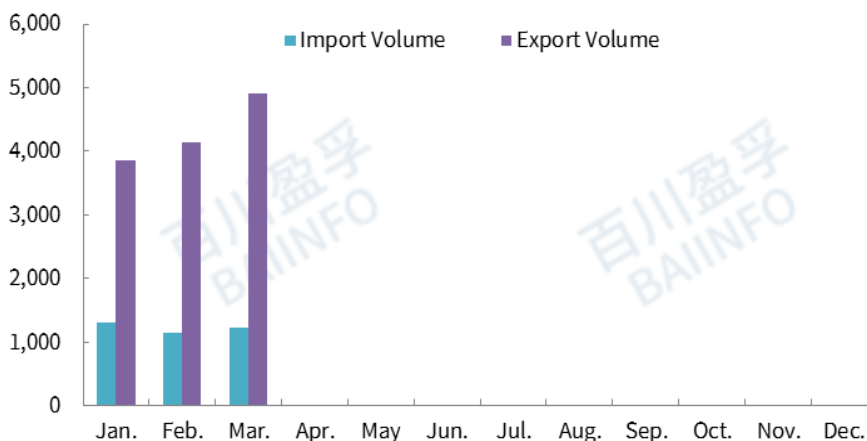
In Mar. 2023, the import volume of wooden activated carbon was 1,223.82 tonnes. China mainly imported cargoes from Indonesia, Sri Lanka, the US and France.

In Mar. 2023, the export volume of wooden activated carbon was 4,899.97 tonnes. China mainly exported cargoes to South Korea, India, Japan and Republic of Congo.

Wooden Activated Carbon Import and Export Data in 2023

| Month | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|--------------|---------------|-------------------|---------------|-------------------|
| Jan. | 1,312 | 5,346,848 | 3,850 | 8,108,494 |
| Feb. | 1,141 | 5,596,272 | 4,148 | 8,034,568 |
| Mar. | 1,224 | 4,721,432 | 4,900 | 9,410,567 |
| Total | 3,677 | 15,664,552 | 12,898 | 25,553,629 |

Wooden Activated Carbon Import and Export in 2023
(Unit: T, USD)



Wooden Activated Carbon Import and Export by Countries/Regions in Mar. 2023

| Countries/Regions | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|-------------------|---------------|-----------------|---------------|-----------------|
| Sri Lanka | 285 | 899,336 | 0 | 0 |

| | | | | |
|--------------------|--------------|------------------|--------------|------------------|
| France | 190 | 878,699 | 14 | 27,870 |
| USA | 182 | 777,288 | 89 | 272,752 |
| Gabon | 117 | 100,666 | 0 | 0 |
| Japan | 115 | 963,774 | 443 | 1,417,662 |
| India | 115 | 357,960 | 496 | 949,199 |
| Indonesia | 96 | 46,847 | 347 | 584,161 |
| Philippines | 59 | 155,593 | 14 | 17,500 |
| Netherlands | 32 | 437,297 | 98 | 181,541 |
| Malaysia | 24 | 20,776 | 272 | 480,927 |
| Taiwan of China | 6 | 13,712 | 127 | 134,534 |
| Britain | 3 | 24,059 | 16 | 26,563 |
| Germany | 1 | 11,154 | 189 | 493,742 |
| South Korea | 0.64 | 32,460 | 551 | 827,096 |
| Italy | 0.1 | 1,439 | 166 | 430,767 |
| Australia | 0 | 82 | 12 | 23,076 |
| Switzerland | 0.001 | 290 | 0 | 0 |
| Republic of Congo | 0 | 0 | 364 | 622,728 |
| Peru | 0 | 0 | 318 | 432,272 |
| Vietnam | 0 | 0 | 157 | 269,219 |
| Thailand | 0 | 0 | 153 | 232,424 |
| Russia | 0 | 0 | 146 | 250,416 |
| South Africa | 0 | 0 | 136 | 191,530 |
| Mexico | 0 | 0 | 126 | 197,820 |
| Pakistan | 0 | 0 | 114 | 213,280 |
| Egypt | 0 | 0 | 96 | 115,255 |
| Argentina | 0 | 0 | 96 | 140,700 |
| Chile | 0 | 0 | 90 | 145,434 |
| Brazil | 0 | 0 | 52 | 86,008 |
| Bangladesh | 0 | 0 | 37 | 58,600 |
| UAE | 0 | 0 | 36 | 199,800 |
| Singapore | 0 | 0 | 33 | 97,294 |
| Belgium | 0 | 0 | 30 | 47,721 |
| Iran | 0 | 0 | 29 | 107,842 |
| Spain | 0 | 0 | 21 | 51,230 |
| Greece | 0 | 0 | 18 | 51,429 |
| Canada | 0 | 0 | 7 | 25,838 |
| Macao of China | 0 | 0 | 5 | 1,034 |
| Israel | 0 | 0 | 0 | 1,898 |
| Tunisia | 0 | 0 | 0 | 1,835 |
| Poland | 0 | 0 | 0 | 746 |
| Hong Kong of China | 0 | 0 | 0 | 199 |
| Denmark | 0 | 0 | 0.016 | 625 |
| Total | 1,224 | 4,721,432 | 4,900 | 9,410,567 |

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Other Activated Carbon

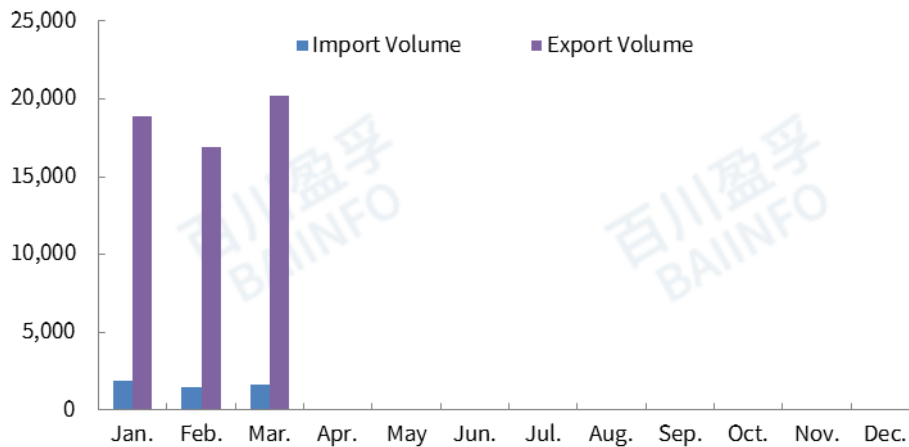
In Mar. 2023, the import volume of other activated carbon was 1,647.44 tonnes. China mainly imported cargoes from Indonesia, Sri Lanka, Philippines and India.

In Mar. 2023, the export volume of other activated carbon was 20,203.23 tonnes. China mainly exported cargoes to South Korea, Japan, Italy and Britain.

Other Activated Carbon Import and Export Data in 2023

| Month | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|--------------|---------------|-------------------|---------------|--------------------|
| Jan. | 1,920 | 10,973,380 | 18,869 | 39,149,024 |
| Feb. | 1,500 | 8,271,992 | 16,919 | 32,882,657 |
| Mar. | 1,647 | 8,429,409 | 20,203 | 39,069,131 |
| Total | 5,068 | 27,674,781 | 55,991 | 111,100,812 |

Other Activated Carbon Import and Export in 2023
(Unit: T, USD)



Other Activated Carbon Import and Export by Countries/Regions in Mar. 2023

| Countries/Regions | Imp. Qty. (T) | Imp. Val. (USD) | Exp. Qty. (T) | Exp. Val. (USD) |
|-------------------|---------------|-----------------|---------------|-----------------|
| Indonesia | 395 | 621,290 | 146 | 335,002 |
| Sri Lanka | 269 | 1,869,160 | 20 | 82,400 |
| India | 229 | 743,193 | 330 | 782,367 |
| Philippines | 146 | 482,757 | 575 | 1,123,927 |
| Japan | 130 | 1,876,920 | 3,739 | 6,104,798 |
| Thailand | 124 | 265,887 | 489 | 1,623,299 |
| Malaysia | 118 | 231,768 | 459 | 1,681,722 |
| Taiwan of China | 93 | 199,473 | 549 | 1,111,069 |
| USA | 88 | 1,549,253 | 649 | 2,035,773 |
| Australia | 20 | 36,310 | 350 | 578,998 |
| China | 12 | 77,532 | 0 | 0 |
| Germany | 11 | 115,506 | 989 | 1,749,604 |

| | | | | |
|--------------------|-------|---------|-------|-----------|
| Canada | 6 | 204,238 | 363 | 662,119 |
| Mexico | 5 | 151,100 | 314 | 473,536 |
| Britain | 0.16 | 2,916 | 1,159 | 2,058,238 |
| Netherlands | 0 | 1,645 | 886 | 1,506,206 |
| Czech Republic | 0.015 | 329 | 0 | 0 |
| Russia | 0.01 | 63 | 104 | 395,194 |
| Belgium | 0.001 | 69 | 1,370 | 2,794,110 |
| South Korea | 0 | 0 | 2,287 | 3,060,445 |
| Italy | 0 | 0 | 1,426 | 3,492,073 |
| France | 0 | 0 | 694 | 1,510,290 |
| Jordan | 0 | 0 | 514 | 397,798 |
| UAE | 0 | 0 | 304 | 614,630 |
| Spain | 0 | 0 | 298 | 464,242 |
| Sweden | 0 | 0 | 282 | 458,324 |
| Israel | 0 | 0 | 213 | 490,889 |
| Zimbabwe | 0 | 0 | 200 | 90,722 |
| Hong Kong of China | 0 | 0 | 159 | 423,484 |
| Turkey | 0 | 0 | 150 | 273,062 |
| Brazil | 0 | 0 | 114 | 497,009 |
| Poland | 0 | 0 | 100 | 144,509 |
| Saudi Arabia | 0 | 0 | 85 | 283,829 |
| South Africa | 0 | 0 | 70 | 117,769 |
| Vietnam | 0 | 0 | 68 | 209,949 |
| Singapore | 0 | 0 | 67 | 149,001 |
| Norway | 0 | 0 | 66 | 140,580 |
| New Zealand | 0 | 0 | 64 | 112,868 |
| Egypt | 0 | 0 | 63 | 106,206 |
| Benin | 0 | 0 | 56 | 130,768 |
| Togo | 0 | 0 | 56 | 130,768 |
| Bangladesh | 0 | 0 | 54 | 120,245 |
| Finland | 0 | 0 | 48 | 58,102 |
| Argentina | 0 | 0 | 43 | 88,077 |
| Greece | 0 | 0 | 42 | 61,926 |
| Mozambique | 0 | 0 | 32 | 87,621 |
| Sudan | 0 | 0 | 28 | 57,420 |
| Kenya | 0 | 0 | 27 | 66,960 |
| Hungary | 0 | 0 | 22 | 19,571 |
| Ecuador | 0 | 0 | 15 | 19,603 |
| Ireland | 0 | 0 | 12 | 21,000 |
| Belarus | 0 | 0 | 12 | 1,381 |
| Tanzania | 0 | 0 | 12 | 12,645 |
| Macao of China | 0 | 0 | 9 | 8,280 |
| Kazakhstan | 0 | 0 | 8 | 14,440 |
| Dominican Republic | 0 | 0 | 5 | 9,356 |
| Algeria | 0 | 0 | 4 | 3,420 |

| | | | | |
|-----------------|--------------|------------------|---------------|-------------------|
| Lebanon | 0 | 0 | 3 | 3,750 |
| Cuba | 0 | 0 | 1 | 13,908 |
| Nigeria | 0 | 0 | 1 | 1,058 |
| Pakistan | 0 | 0 | 1 | 780 |
| Uruguay | 0 | 0 | 0 | 412 |
| Niger | 0 | 0 | 0 | 1,235 |
| Solomon Islands | 0 | 0 | 0 | 354 |
| Chile | 0 | 0 | 0 | 10 |
| Total | 1,647 | 8,429,409 | 20,203 | 39,069,131 |

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