

Black Phosphorus powder

Cat: NM000271

Specification: 200mg

Storage: Seal preservation with inert gas protection. Expiry date: 6 months.

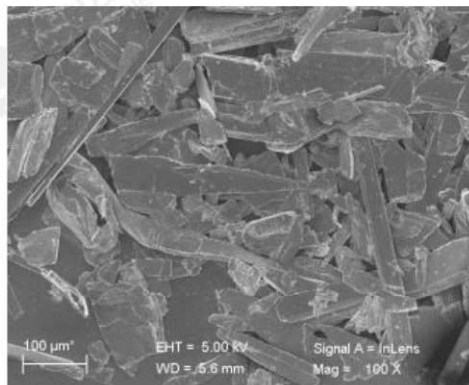
Product Introduction:

| | |
|--------------|--|
| Product name | Black Phosphorus powder |
| Appearance | Sheet-like particle structure or powder crystal with metallic luster |
| Purity | >99.998% |
| Package | Glass bottles full of Argon and other inert gas |

Representation Test Diagram:



Photo of black phosphorus powder



SEM image of black phosphorus powder

Application:

Compared with other phosphorus allotropes (white phosphorus, red phosphorus), black phosphorus is a thermodynamic stable semiconductor material with high charge-carrier mobility. It can be used in field-effect transistors, saturable absorption studies, linear optical researches, optoelectronic devices and so on.

Note:

1. This product is for scientific research use only. Do not use for medical, clinical diagnostic or therapeutic, food or cosmetic purposes. Do not store in ordinary residential areas.
2. For your safety and health, please wear a laboratory coat and wear disposable gloves and masks to operate.