

## Graphite

|                 |                                   |
|-----------------|-----------------------------------|
| Art. ID         | NCS DC28117                       |
| Unit            | 50 g                              |
| Deliverydetails | No Dangerous Good /not restricted |

### Description

Ad, Vd: GB212?2008 analytical method of coal for industry, GB/T3521-2008 Chemical analysis method of graphite.  
/// SiO<sub>2</sub>: Gravimetric method after dehydration with perchloric acid, Molybdenum blue photometric method ///  
Fe<sub>2</sub>O<sub>3</sub>: EDTA titrimetric method after separation, Photometric method after separation, ICP-AES /// CaO: EDTA  
titrimetric method, ICP-AES method, AAS /// MgO: Atomic absorption spectrometry, ICP-AES method, EDTA  
titrimetric method, /// Al<sub>2</sub>O<sub>3</sub>: EDTA titrimetric method, ICP-AES /// TiO<sub>2</sub>: ICP-AES method, Colorimetric method with  
diantipyrylmethane, H<sub>2</sub>O<sub>2</sub> photometric method /// MnO: ICP-AES method, Atomic absorption spectrometry /// K<sub>2</sub>O:  
ICP-AES method, Atomic absorption spectrometry /// Na<sub>2</sub>O: ICP-AES method, Atomic absorption spectrometry ///  
P<sub>2</sub>O<sub>5</sub>: Molybdenum blue photometric method, ICP-AES

| Text/Information | Analyte/Parameter              | CAS number  | Concentration/Value | Unit | Method   | Source |
|------------------|--------------------------------|-------------|---------------------|------|--|--------|
| Certified value  | St,d                           |             | 0,17                | %    | GB/T214—2007 method of determination of total sulfur in coal |        |
| Certified value  | Ad                             |             | 3,47                | %    |  |        |
| Certified value  | Vd                             |             | 1,33                | %    |  |        |
| Certified value  | SiO <sub>2</sub>               |             | 1,76                | %    |  |        |
| Certified value  | Fe <sub>2</sub> O <sub>3</sub> |             | 0,46                | %    |  |        |
| Certified value  | CaO                            |             | 0,19                | %    |  |        |
| Certified value  | MgO                            | [1309-48-4] | 0,18                | %    |  |        |
| Certified value  | Al <sub>2</sub> O <sub>3</sub> |             | 0,63                | %    |  |        |
| Certified value  | TiO <sub>2</sub>               |             | 0,014               | %    |  |        |
| Certified value  | MnO                            |             | 0,005               | %    |  |        |
| Certified value  | K <sub>2</sub> O               |             | 0,17                | %    |  |        |
| Certified value  | Na <sub>2</sub> O              |             | 0,009               | %    |  |        |
| Certified value  | P <sub>2</sub> O <sub>5</sub>  |             | 0,004               | %    |  |        |