

## **Graphite Ore**

Art. ID	NCS DC60121
Unit	50 g
Deliverydetails	No Dangerous Good /not restricted

### Description

SiO<sub>2</sub>: Gravimetric method by drying with the vapor of HCl, X-ray fluorescence analytical method, ICP spectra method /// Al<sub>2</sub>O<sub>3</sub>: Gravimetric method with ammonium hydroxide, EDTA titrimetric method, Acid-base neutralization method, /// X-ray fluorescence analytical method, ICP spectra method /// TFe<sub>2</sub>O<sub>3</sub>: Colorimetric method with sulfo-salicylic acid, EDTA titrimetric method, Potassium bichromate titrimetric method /// TiO<sub>2</sub>: Colorimetric method with diantipylmethane, Colorimetric method with hydrogen peroxide, X-ray fluorescence analytical method, ICP spectra method /// CaO: Gravimetric method with ammonium oxalate, EDTA titrimetric method, Atomic absorption method, X-ray fluorescence analytical method, ICP spectra method /// MgO: Gravimetric method with phosphate, EDTA titrimetric method, Atomic absorption method, X-ray fluorescence analytical method, ICP spectra method /// K<sub>2</sub>O, /// Na<sub>2</sub>O: Flame emission spectrometric method, Atomic absorption method, X-ray fluorescence analytical method, ICP spectra method /// MnO: Colorimetric method with potassium periodate, Atomic absorption method, X-ray fluorescence analytical method, ICP spectra method /// P<sub>2</sub>O<sub>5</sub>: Colorimetric method with ammonium vanadate and molybdate, X-ray fluorescence analytical method /// S: Gravimetric method with barium sulfate, Iodimetry /// CO<sub>2</sub>: Gravimetric method by ascarite absorption, Non-water titrimetric method /// Ash: Gravimetric method(900-1000°C) /// Volatile: Gravimetric method[(950±20)°C] /// H<sub>2</sub>O+: Penfield method /// Graphite carbon: Gravimetric method by ascarite absorption, Non-water titrimetric method, Indirect carbon determine method ///

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	SiO <sub>2</sub>		10,34	%		
	Al <sub>2</sub> O <sub>3</sub>		5,6	%		
	Fe <sub>2</sub> O <sub>3</sub> total		1,48	%		
	TiO <sub>2</sub>		0,55	%		
	MgO	[1309-48-4]	0,5	%		
	CaO		0,74	%		
	K <sub>2</sub> O		0,99	%		
	Na <sub>2</sub> O		0,23	%		
	MnO		0,022	%		
	P <sub>2</sub> O <sub>5</sub>		0,16	%		
	CO <sub>2</sub>		0,28	%		
	Sulfur (S)	[7704-34-9]	0,14	%		
	H <sub>2</sub> O+		1,98	%		
	C graphite		76,5	%		
	Ash		20,78	%		
	% Volatile		2,72	%		