

## Shale, CRM, Black Shale from Vysochaishii and Khomolkho River, Powder

Art. ID KAZ-8549-04  
Unit 100 g (powder)  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Loss on Ignition (LOI)		6	%		
	Silver (Ag)	[7440-22-4]	0,00001	%		
	Al <sub>2</sub> O <sub>3</sub>		16,8	%		
	Arsenic (As)	[7440-38-2]	0,004	%		
	Gold (Au)	[7440-57-5]	0,00001	%		
	Boron (B)	[7440-42-8]	0,0103	%		
	Barium (Ba)	[7440-39-3]	0,072	%		
	Beryllium (Be)	[7440-41-7]	0,0002	%		
	Organic C		~1,31	%		
	CO <sub>2</sub>		1,41 (tot)	%		
	CaO		1,14	%		
	Cadmium (Cd)	[7440-43-9]	~0,000027	%		
	Cerium (Ce)	[7440-45-1]	0,0058	%		
	Cobalt (Co)	[7440-48-4]	0,0013	%		
	Chromium (Cr)	[7440-47-3]	0,0128	%		
	Caesium (Cs)	[7440-46-2]	0,00044	%		
	Copper (Cu)	[7440-50-8]	0,0034	%		
	Dysprosium (Dy)	[7429-91-6]	0,00056	%		
	Erbium (Er)	[7440-52-0]	~0,00033	%		
	Europium (Eu)	[7440-53-1]	0,00012	%		
	Fluorine (F)	[7782-41-4]	~0,12	%		
	FeO		~3,17	%		
	Total Fe as Fe <sub>2</sub> O <sub>3</sub>		5,57	%		
	Gallium (Ga)	[7440-55-3]	0,0021	%		
	Gadolinium (Gd)	[7440-54-2]	0,00061	%		
	Germanium (Ge)	[7440-56-4]	~0,00021	%		
	Hafnium (Hf)	[7440-58-6]	0,00041	%		
	Holmium (Ho)	[7440-60-0]	~0,00011	%		
	K <sub>2</sub> O		3,72	%		
	Lanthanum (La)	[7439-91-0]	0,003	%		
	Lithium (Li)	[7439-93-2]	0,0056	%		

Lutetium (Lu)	[7439-94-3]	0,000044	%
MgO	[1309-48-4]	2,67	%
MnO		0,057	%
Molybdenum (Mo)	[7439-98-7]	0,00017	%
Na <sub>2</sub> O		0,95	%
Niobium (Nb)	[7440-03-1]	0,0011	%
Neodymium (Nd)	[7440-00-8]	0,0028	%
Nickel (Ni)	[7440-02-0]	0,0039	%
P <sub>2</sub> O <sub>5</sub>		0,086	%
Lead (Pb)	[7439-92-1]	0,00082	%
Palladium (Pd)	[7440-05-3]	~0,00000013	%
Praseodymium (Pr)	[7440-10-0]	~0,00065	%
Platinum (Pt)	[7440-06-4]	~0,00000012	%
Rubidium (Rb)	[7440-17-7]	0,014	%
Sulfur (S)	[7704-34-9]	0,62 (tot)	%
SO <sub>3</sub>		~1,53	%
Scandium (Sc)	[7440-20-2]	0,0023	%
SiO <sub>2</sub>		61,21	%
Samarium (Sm)	[7440-19-9]	0,00057	%
Tin (Sn)	[7440-31-5]	0,00022	%
Strontium (Sr)	[7440-24-6]	0,015	%
Tantalum (Ta)	[7440-25-7]	0,000086	%
Terbium (Tb)	[7440-27-9]	0,000095	%
Thorium (Th)	[7440-29-1]	0,00082	%
TiO <sub>2</sub>		0,91	%
Thulium (Tm)	[7440-30-4]	~0,00005	%
Uranium (U)	[7440-61-1]	0,00021	%
Vanadium (V)	[7440-62-2]	0,0148	%
Tungsten (W)	[7440-33-7]	~0,00035	%
Yttrium (Y)	[7440-65-5]	0,0028	%
Ytterbium (Yb)	[7440-64-4]	0,00029	%
Zinc (Zn)	[7440-66-6]	0,0096	%
Zirconium (Zr)	[7440-67-7]	0,0176	%