

## **Biotite**

Art. ID CRPG-MICA-FE  
Unit 10 g  
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	SiO <sub>2</sub>		34,4	%		
	Al <sub>2</sub> O <sub>3</sub>		19,5	%		
	Fe <sub>2</sub> O <sub>3</sub>		4,64	%		
	FeO		18,91	%		
	MnO		0,35	%		
	MgO	[1309-48-4]	4,55	%		
	CaO		0,43	%		
	Na <sub>2</sub> O		0,3	%		
	K <sub>2</sub> O		8,75	%		
	TiO <sub>2</sub>		2,5	%		
	P <sub>2</sub> O <sub>5</sub>		0,45	%		
	H <sub>2</sub> O+		2,91	%		
	H <sub>2</sub> O-		0,43	%		
	CO <sub>2</sub>		0,19	%		
	Fe <sub>2</sub> O <sub>3</sub> total		25,65	%		
proposed value	Loss on Ignition (LOI)		2	%		
	Arsenic (As)	[7440-38-2]	3	µg/g		
	Barium (Ba)	[7440-39-3]	150	µg/g		
	Beryllium (Be)	[7440-41-7]	4,5	µg/g		
	Bismuth (Bi)	[7440-69-9]	1,3	µg/g		
	Cadmium (Cd)	[7440-43-9]	0,63	µg/g		
	Cerium (Ce)	[7440-45-1]	420	µg/g		
	Chlorine (Cl)	[7782-50-5]	500	µg/g		
	Cobalt (Co)	[7440-48-4]	23	µg/g		
	Chromium (Cr)	[7440-47-3]	90	µg/g		
	Caesium (Cs)	[7440-46-2]	180	µg/g		
	Copper (Cu)	[7440-50-8]	5	µg/g		
	Dysprosium (Dy)	[7429-91-6]	11	µg/g		
	Erbium (Er)	[7440-52-0]	3,8	µg/g		
	Europium (Eu)	[7440-53-1]	0,7	µg/g		
	Fluorine (F)	[7782-41-4]	16000	µg/g		

	Gallium (Ga)	[7440-55-3]	95	µg/g
	Gadolinium (Gd)	[7440-54-2]	21	µg/g
proposed value	Germanium (Ge)	[7440-56-4]	3,2	µg/g
	Hafnium (Hf)	[7440-58-6]	26	µg/g
	Holmium (Ho)	[7440-60-0]	1,6	µg/g
proposed value	Indium (In)	[7440-74-6]	0,6	µg/g
	Lanthanum (La)	[7439-91-0]	200	µg/g
	Lithium (Li)	[7439-93-2]	1200	µg/g
	Lutetium (Lu)	[7439-94-3]	0,5	µg/g
	Molybdenum (Mo)	[7439-98-7]	1,2	µg/g
	Niobium (Nb)	[7440-03-1]	270	µg/g
	Neodymium (Nd)	[7440-00-8]	180	µg/g
	Nickel (Ni)	[7440-02-0]	35	µg/g
	Lead (Pb)	[7439-92-1]	13	µg/g
	Praseodymium (Pr)	[7440-10-0]	49	µg/g
	Rubidium (Rb)	[7440-17-7]	2200	µg/g
	Sulfur (S)	[7704-34-9]	238	µg/g
	Scandium (Sc)	[7440-20-2]	14,8	µg/g
	Samarium (Sm)	[7440-19-9]	33	µg/g
	Tin (Sn)	[7440-31-5]	70	µg/g
	Strontium (Sr)	[7440-24-6]	5	µg/g
	Tantalum (Ta)	[7440-25-7]	35	µg/g
	Terbium (Tb)	[7440-27-9]	2,7	µg/g
	Thorium (Th)	[7440-29-1]	150	µg/g
	Thallium (Tl)	[7440-28-0]	16	µg/g
	Thulium (Tm)	[7440-30-4]	0,48	µg/g
	Uranium (U)	[7440-61-1]	80	µg/g
	Vanadium (V)	[7440-62-2]	135	µg/g
	Tungsten (W)	[7440-33-7]	15	µg/g
	Yttrium (Y)	[7440-65-5]	48	µg/g
	Ytterbium (Yb)	[7440-64-4]	3,5	µg/g
	Zinc (Zn)	[7440-66-6]	1300	µg/g
	Zirconium (Zr)	[7440-67-7]	800	µg/g