

Fresh andesite, Pilbara, WA

Art. ID GEO-GBM323-1
Unit Powder 10g or 1 kg
Deliverydetails No Dangerous Good /not restricted

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified value	Nickel (Ni)	[7440-02-0]	0,0033	%		
Certified value	Copper (Cu)	[7440-50-8]	0,0702	%		
Certified value	Zinc (Zn)	[7440-66-6]	0,0099	%		
Certified value	Lead	[7439-92-1]	0,0009	%		
Certified value	Arsenic (As)	[7440-38-2]	0,0178	%		
Certified value	Cobalt (Co)	[7440-48-4]	0,0022	%		
Certified value	Silver (Ag)	[7440-22-4]	0,0000001	%		
Certified value	Nickel (Ni)	[7440-02-0]	0,0032	%	Partial Digest (AR etc.)	
Certified value	Copper (Cu)	[7440-50-8]	0,07	%	Partial Digest (AR etc.)	
Certified value	Zinc (Zn)	[7440-66-6]	0,0092	%	Partial Digest (AR etc.)	
Certified value	Lead	[7439-92-1]	0,0007	%	Partial Digest (AR etc.)	
Certified value	Arsenic (As)	[7440-38-2]	0,0169	%	Partial Digest (AR etc.)	
Certified value	Cobalt (Co)	[7440-48-4]	0,0021	%	Partial Digest (AR etc.)	
Certified value	Silver (Ag)	[7440-22-4]	0,00012	%	Partial Digest (AR etc.)	
Single analysis only - Not certified	Antimony (Sb)	[7440-36-0]	0,00162	%	Neutron activation analyses	

Single analysis only - Not certified	Arsenic (As)	[7440-38-2]	0,0189	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Barium (Ba)	[7440-39-3]	0,0133	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Bromine (Br)	[7726-95-6]	<0,0002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Cadmium (Cd)	[7440-43-9]	<0,001	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Cerium (Ce)	[7440-45-1]	0,0045	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Caesium (Cs)	[7440-46-2]	0,0006	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Chromium (Cr)	[7440-47-3]	0,0043	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Cobalt (Co)	[7440-48-4]	0,0023	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Europium (Eu)	[7440-53-1]	0,00008	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Gold (Au)	[7440-57-5]	0,0031	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Hafnium (Hf)	[7440-58-6]	<0,0005	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Iridium (Ir)	[7439-88-5]	<0,000005	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Iron (Fe)	[7439-89-6]	5,1	%	Neutron ac tivation a

Single analysis only - Not certified	Lanthanum (La)	[7439-91-0]	0,0022	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Lutetium (Lu)	[7439-94-3]	0,00003	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Molybdenum (Mo)	[7439-98-7]	<0,001	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Nickel (Ni)	[7440-02-0]	<0,01	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Rubidium (Rb)	[7440-17-7]	0,0064	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Samarium (Sm)	[7440-19-9]	0,00036	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Scandium (Sc)	[7440-20-2]	0,00129	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Selenium (Se)	[7782-49-2]	<0,001	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Sodium (Na)	[7440-23-5]	0,81	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Tantalum (Ta)	[7440-25-7]	<0,0002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Tellurium (Te)	[13494-80-9]	<0,002	%	Neutron ac tivation a nalyzes
Single analysis only - Not certified	Terbium (Tb)	[7440-27-9]	0,0001	%	Neutron ac tivation a nalyzes
Single analysis only -	Thorium (Th)	[7440-29-1]	0,00051	%	Neutron ac

Not certified					Neutron activation analyses
Single analysis only - Not certified	Tin	[7440-31-5]	<0,02	%	Neutron activation analyses
Single analysis only - Not certified	Tungsten (W)	[7440-33-7]	0,0004	%	Neutron activation analyses
Single analysis only - Not certified	Uranium (U)	[7440-61-1]	0,0001	%	Neutron activation analyses
Single analysis only - Not certified	Ytterbium (Yb)	[7440-64-4]	0,00018	%	Neutron activation analyses
Single analysis only - Not certified	Zinc (Zn)	[7440-66-6]	<0,02	%	Neutron activation analyses
Single analysis only - Not certified	Zirconium (Zr)	[7440-67-7]	<0,05	%	Neutron activation analyses
Single analysis only - Not certified	Silver (Ag)	[7440-22-4]	<0,0005	%	Neutron activation analyses
Indicative value	Iron (Fe)	[7439-89-6]	4,99	%	Fusion / XRF
Indicative value	SiO ₂		60,37	%	Fusion / XRF
Indicative value	Al ₂ O ₃		14,43	%	Fusion / XRF
Indicative value	TiO ₂		0,71	%	Fusion / XRF
Indicative value	MnO		0,07	%	Fusion / XRF
Indicative value	CaO		2,9	%	Fusion / XRF
Indicative value	Phosphorus (P)	[7723-14-0]	0,069	%	Fusion / XRF
Indicative value	Sulfur (S)	[7704-34-9]	0,73	%	Fusion / XRF

					RF
Indicative value	MgO	[1309-48-4]	3,33	%	Fusion / X
					RF
Indicative value	K ₂ O		1,95	%	Fusion / X
					RF
Indicative value	Na ₂ O		1,12	%	Fusion / X
					RF
Indicative value	Loss on Ignition (L.O.I) (1000 °C)		5,92	%	