

Andesite

Art. ID	GSJ-JA-2
Unit	20 g
Deliverydetails	No Dangerous Good /not restricted

Description

recommended or preferable values for major, minor and trace elements

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Silver (Ag)	[7440-22-4]	~0,0000043	%		
	Aluminium (Al)	[7429-90-5]	8,16	%		
	Al ₂ O ₃		15,41	%		
	Arsenic (As)	[7440-38-2]	~0,000085	%		
	Gold (Au)	[7440-57-5]	0,000000026	%		
	Boron (B)	[7440-42-8]	0,00207	%		
	Barium (Ba)	[7440-39-3]	0,0321	%		
	Beryllium (Be)	[7440-41-7]	0,000205	%		
	Bismuth (Bi)	[7440-69-9]	~0,000007	%		
	Carbon (C)	[7440-44-0]	~0,0141	%		
	Calcium (Ca)	[7440-70-2]	4,5	%		
	CaO		6,29	%		
	Cadmium (Cd)	[7440-43-9]	~0,0000078	%		
	Cerium (Ce)	[7440-45-1]	0,00327	%		
	Cobalt (Co)	[7440-48-4]	0,00295	%		
	Chromium (Cr)	[7440-47-3]	0,0436	%		
	Caesium (Cs)	[7440-46-2]	0,000463	%		
	Copper (Cu)	[7440-50-8]	0,00297	%		
	Dysprosium (Dy)	[7429-91-6]	0,00028	%		
	Erbium (Er)	[7440-52-0]	0,000148	%		
	Europium (Eu)	[7440-53-1]	0,000093	%		
	Fluorine (F)	[7782-41-4]	~0,0223	%		
	Iron (Fe)	[7439-89-6]	4,34	%		
	FeO		3,69	%		
	Fe ₂ O ₃		2,16	%		
	Total Fe as Fe ₂ O ₃		6,21	%		
	Gallium (Ga)	[7440-55-3]	0,00169	%		
	Gadolinium (Gd)	[7440-54-2]	0,000306	%		
	Germanium (Ge)	[7440-56-4]	~0,000105	%		

H2O		1,25 (-)	%
H2O+		1,12	%
Hafnium (Hf)	[7440-58-6]	0,000286	%
Mercury (Hg)	[7439-97-6]	~0,00000018	%
Holmium (Ho)	[7440-60-0]	0,00005	%
Iodine (I)	[7553-56-2]	~0,0000005	%
Iridium (Ir)	[7439-88-5]	~0,0000000013	%
Potassium (K)	[7440-09-7]	1,5	%
K2O		1,81	%
Lanthanum (La)	[7439-91-0]	0,00158	%
Lithium (Li)	[7439-93-2]	0,00273	%
Lutetium (Lu)	[7439-94-3]	0,000027	%
Magnesium (Mg)	[7439-95-4]	4,58	%
MgO	[1309-48-4]	7,6	%
Manganese (Mn)	[7439-96-5]	0,084	%
MnO		0,108	%
Molybdenum (Mo)	[7439-98-7]	0,00006	%
Sodium (Na)	[7440-23-5]	2,31	%
Na2O		3,11	%
Niobium (Nb)	[7440-03-1]	0,000947	%
Neodymium (Nd)	[7440-00-8]	0,00139	%
Nickel (Ni)	[7440-02-0]	0,013	%
Phosphorus (P)	[7723-14-0]	0,064	%
P2O5		0,146	%
Lead (Pb)	[7439-92-1]	0,00192	%
Palladium (Pd)	[7440-05-3]	~0,00000005	%
Praseodymium (Pr)	[7440-10-0]	0,000384	%
Platinum (Pt)	[7440-06-4]	~0,00000013	%
Rubidium (Rb)	[7440-17-7]	0,00729	%
Rhenium (Re)	[7440-15-5]	~0,0000000063	%
Sulfur (S)	[7704-34-9]	~0,0008	%
Antimony (Sb)	[7440-36-0]	~0,000014	%
Scandium (Sc)	[7440-20-2]	0,00196	%
Silicon (Si)	[7440-21-3]	26,37	%
SiO2		56,42	%
Samarium (Sm)	[7440-19-9]	0,000311	%
Tin (Sn)	[7440-31-5]	0,000168	%
Strontium (Sr)	[7440-24-6]	0,0248	%

Tantalum (Ta)	[7440-25-7]	0,00008	%
Terbium (Tb)	[7440-27-9]	0,000044	%
Thorium (Th)	[7440-29-1]	0,000503	%
Titanium (Ti)	[7440-32-6]	0,4	%
TiO ₂		0,66	%
Thallium (Tl)	[7440-28-0]	0,000032	%
Thulium (Tm)	[7440-30-4]	0,000028	%
Uranium (U)	[7440-61-1]	0,000221	%
Vanadium (V)	[7440-62-2]	0,0126	%
Tungsten (W)	[7440-33-7]	~0,000099	%
Yttrium (Y)	[7440-65-5]	0,00183	%
Ytterbium (Yb)	[7440-64-4]	0,000162	%
Zinc (Zn)	[7440-66-6]	0,00647	%
Zirconium (Zr)	[7440-67-7]	0,0116	%