

2023 Prices

Excl 15% VAT for SA Clients

Process	Description	Unit Cost							
		User Analyst		CAF staff					
		SU Academics	Other SA Academics	SU Academics	Other SA Academics	SA Industry	Non-SA Academics	Non-SA Industry	
Sample Preparation									
Microwave Digestion									
Ball Milling				R 69	R 85	R 88	\$6,1	\$6,3	
Hotplate digestion				R 45	R 50	R 70			
Microwave digestion				R 98	R 124	R 238	\$8,8	\$17,0	
Rock & Mineral Sample Preparation									
Rock crushing (< 2kg) + Riffle Splitter		R 30	R 36		R 150	R 250	\$10,7	\$17,9	
Milling (disk mill)		R 30	R 36		R 150	R 250	\$10,7	\$17,9	
Milling (Swing mill)		R 30	R 36		R 150	R 250	\$10,7	\$17,9	
Sieve to - 350µm	Nylon mesh cuts supplied per sample	R 40	R 48		R 150	R 250	\$10,7	\$17,9	
Panning		R 30	R 36		R 150	R 250	\$10,7	\$17,9	
Magnetic separation		R 30	R 36		R 150	R 250	\$10,7	\$17,9	
Heavy liquid		R 250	R 300		R 600	R 1 200	\$42,9	\$85,7	
Grain Picking		R 0	R 0	R 390	R 507	R 860	\$36,2	\$61,4	
Mounting & Polishing	Per mount, up to 6 samples per mount	R 115	R 138	R 681	R 886	R 1 600	\$63,3	\$114,3	
Precise rock cutting		R 55	R 66	R 84	R 106	R 200	\$7,6	\$14,3	
Polishing - no mounting		R 75	R 90	R 156	R 187	R 420	\$13,4	\$30,0	
Grinding		R 55	R 66	R 95	R 120	R 245	\$8,6	\$17,5	
CL Imaging (per hour)					R 1 110	R 1 450	\$79,3	\$103,6	
Complete Minsep to produce heavy minerals fraction (excl mount)		R 410	R 492		R 1 350	R 2 450	\$96,4	\$175,0	
Geochemical Analysis									
Whole Rock Chemistry									
XRF: Majors on fusion, incl fusion disk & LOI	<i>SiO₂, TiO₂, Al₂O₃, Total Fe₂O₃, MnO, MgO, K₂O, CaO, Na₂O, P₂O₅, Cr₂O₃</i>			R 214	R 279	R 583	\$18,6	\$38,8	
XRF majors on soil, incl pellet checks				R 239	R 309	R 613	\$20,6	\$40,8	
LA ICP-MS Traces on fusions	<i>Sc, V, Cr, Co, Ni, Cu, Zn, Rb, Sr, Y, Zr, Nb, Mo, Cs, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er,</i>			R 164	R 197	R 529	\$13,2	\$35,2	
Fusion for Traces only				R 85	R 102	R 122	\$6,8	\$8,2	
Fusion mount for Traces				R 40	R 48	R 70	\$3,2	\$4,7	
Complete XRF Majors + LA ICP-MS Traces		R 418	R 524		R 1 181		\$35,0	\$78,8	

Major, minor & trace elements combined	<i>Na, K, Ca, Mg, B, Ba, Sr, P, Si, Al, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sn, Sb, Mo, Cd, Pb, Hg</i>			R 317	R 401	R 1 568	\$26,7	\$112,0
ICP - AES Major elements								
ICP-AES: majors & traces package	<i>Na, K, Ca, Mg, Al, Cr, Co, Cu, Ni, Fe, Mn, Pb, Zn, P, Si, B, Ba, Sr</i>			R 184	R 224	R 756	\$16,0	\$54,0
ICP-AES: Basic chemistry	<i>Na, K, Ca, Mg, Al, Cu, Ni, Fe, Mn, Zn, B</i>			R 162	R 201	R 620	\$14,4	\$44,3
ICP-AES: single majors element				R 72	R 95	R 194	\$6,8	\$13,9
ICP-AES: up to 6 major elements				R 117	R 151	R 425	\$10,8	\$30,4
ICP-AES REE's single element				R 76	R 99	R 208	\$7,0	\$14,9
ICP-AES REE's up to 6 elements				R 141	R 178	R 425	\$12,7	\$30,4
ICP-AES REE's complete				R 218	R 252	R 750	\$18,0	\$53,6
ICP-AES PGM's single element				R 76	R 99	R 208	\$7,0	\$14,9
ICP-AES complete PGM's				R 146	R 178	R 457	\$12,7	\$32,6
ICP - MS Trace elements								
ICP-MS: metals & toxic elements	<i>Al, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sn, Sb, Mo, Cd, Pb, Hg</i>			R 201	R 246	R 1 076	\$17,6	\$76,9
ICP-MS: single trace element				R 128	R 166	R 238	\$11,8	\$17,0
ICP-MS: up to 6 trace elements				R 165	R 213	R 784	\$15,2	\$56,0
ICP-MS Drinking water	<i>Na, K, Ca, Mg, Al, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sn, Sb, Mo, Cd, Pb, Hg</i>			R 260	R 330	R 1 236	\$23,5	\$88,3
ICP-MS REE's single element				R 135	R 170	R 262	\$12,1	\$18,7
ICP-MS REE's Complete				R 206	R 264	R 1 076	\$18,9	\$76,9
ICP-MS PGM's single element				R 135	R 170	R 262	\$12,1	\$18,7
ICP-MS PGM's complete				R 177	R 227	R 833	\$16,2	\$59,5
ICP-MS non std single element				R 149	R 171	R 270	\$12,2	\$19,3
ICP-MS non std up to 6 elements: Group 1	<i>Li, Be, Ag, Si, P, S</i>			R 202	R 267	R 833	\$19,0	\$59,5
ICP-MS non std up to 6 elements: Group 2	<i>Ti, Zr, Nb, Hf, Ta, W</i>			R 202	R 267	R 833	\$19,0	\$59,5
ICP-MS non std up to 6 elements: Group 3	<i>Ga, Rb, Bi, Tl, U</i>			R 202	R 267	R 833	\$19,0	\$59,5
ICP-MS non std up to 6 elements: Group 4	<i>Ge, Te, In</i>			R 191	R 240	R 757	\$17,1	\$54,1
ICP-MS non-std single element added to other trace element sequence	<i>Li, Be, Ti, Ag</i>			R 66	R 75	R 95	\$6,1	\$8,3