



GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance



Subscriber: **GeoPT555**
Round: **GeoPT59**

Laboratory Code: **A134**

Test Material: **ROC-1**
Date: **June 2026**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO ₂	-0.65	2	76.13	75.1
TiO ₂	0.73	2	0.05067	0.053
Al ₂ O ₃	-1.32	2	11.11	10.7
Fe ₂ O ₃ T	-0.77	2	1.760	1.71
MnO	0	2	0.02400	0.024
MgO	0.46	2	0.1170	0.12
CaO	-1.09	2	3.352	3.23
Na ₂ O	-0.04	2	0.2605	0.26
K ₂ O	1.1	2	1.633	1.7
LOI	7.1	2	5.350	6.53
			mg/kg	mg/kg
As	-	2	153.5	
Ba	0.65	2	36.52	38.72
Be	-0.05	2	6.957	6.915
Bi	-1.2	2	0.1130	0.083
C(tot)	-	2	6700	
Cd	-	2	0.06000	
Ce	0.11	2	76.25	76.95
Co	0.08	2	1.254	1.27
Cr	0.09	2	97.92	98.6
Cs	0.43	2	9.680	10.15
Cu	-0.29	2	52.20	50.85
Dy	1.06	2	7.634	8.59
Er	0.59	2	4.673	5.02
Eu	0.18	2	0.07000	0.073
Ga	0.57	2	17.15	18.17
Gd	-0.21	2	7.357	7.173
Ge	-	2	0.9800	
Hf	0.55	2	5.000	5.345

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
Ho	0.28	2	1.580	1.646
La	0.55	2	34.60	36.38
Li	0.35	2	171.0	175.4
Lu	0.71	2	0.6521	0.731
Mo	1.52	2	2.500	3.029
Nb	-0.22	2	77.58	76.15
Nd	0.81	2	31.80	34.24
Ni	-0.27	2	2.940	2.834
Pb	-0.88	2	11.40	10.29
Pr	0.79	2	9.000	9.815
Rb	0.02	2	76.00	76.1
Sb	-	2	1.184	
Sc	0.18	2	0.9550	0.983
Sm	0.38	2	7.670	8.015
Sn	0.18	2	4.543	4.646
Sr	-0.06	2	33.00	32.82
Ta	-0.26	2	7.630	7.395
Tb	0.8	2	1.225	1.377
Th	-0.28	2	32.34	31.47
Tl	-0.72	2	0.3375	0.292
Tm	0.57	2	0.6900	0.757
U	-0.23	2	6.623	6.44
V	7.55	2	2.281	4.714
W	-1.82	2	3.100	2.34
Y	0.11	2	49.94	50.45
Yb	0.65	2	4.480	4.853
Zn	-0.08	2	28.70	28.49
Zr	0.08	2	105.0	105.6

The principles upon which GeoPT z-scores are based are detailed in the full report for this round

- indicates result within acceptable range of z-score limits $|z| < 2$

- indicates result outside z-score limits $|z| > 2$ but within the z-score limits $|z| < \text{or} = 3$

- indicates result outside z-score limits $|z| > 3$ and likely to require investigation

Consensus values are assigned values unless otherwise indicated

Shaded Consensus values have provisional status

Peter Webb . Peter Webb - Administrator of GeoPT on behalf of the International Association of Geoanalysts