



GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance



Subscriber: **GeoPT229**
Round: **GeoPT58**

Laboratory Code: **Z6**

Test Material: **SdCA-1**
Date: **December 2025**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO2	-0.01	2	64.94	64.92
TiO2	-0.14	2	0.4096	0.407
Al2O3	0.17	2	13.40	13.46
Fe2O3T	-0.55	2	3.372	3.31
MnO	0.57	2	0.05215	0.054
MgO	0.32	2	1.571	1.59
CaO	-0.26	2	4.024	3.99
Na2O	-0.24	2	3.850	3.82
K2O	-0.74	2	2.863	2.79
P2O5	-0.42	2	0.08100	0.079
			mg/kg	mg/kg
Ag	-	2	0.08700	
As	-	2	2.831	
Ba	-0.78	2	781.0	745.1
Be	-	2	1.573	
Bi	-	2	0.1610	
Br	-	2	18.74	
C(tot)	-	2	5274	
Cd	-	2	0.07801	
Ce	-0.16	2	46.25	45.6
Co	-	2	8.000	
Cr	1.05	2	393.6	420.4
Cs	-	2	3.140	
Cu	-	2	13.00	
Dy	-	2	2.590	
Er	-	2	1.480	
Eu	-	2	0.8498	
Ga	-0.21	2	14.84	14.5
Gd	-	2	2.994	
Ge	-	2	1.158	
Hf	-	2	4.085	

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
Ho	-	2	0.5080	
In	-	2	0.03015	
La	-	2	23.11	
Li	-	2	25.60	
Lu	-	2	0.2336	
Mo	-	2	2.896	
Nb	-	2	8.615	
Nd	-	2	18.87	
Ni	-0.22	2	33.38	32.7
Pb	-0.44	2	23.00	22
Pr	-	2	5.090	
Rb	-0.05	2	100.2	99.8
S	-	2	5931	
Sb	-	2	0.8599	
Sc	-	2	7.095	
Se	-	2	5.070	
Sm	-	2	3.524	
Sn	-	2	1.170	
Sr	0.18	2	394.4	399.1
Ta	-	2	0.7560	
Tb	-	2	0.4429	
Th	-	2	10.61	
Tl	-	2	0.4580	
Tm	-	2	0.2265	
U	-	2	2.770	
V	0.45	2	59.88	62.2
W	-	2	1.190	
Y	0.18	2	14.52	14.8
Yb	-	2	1.510	
Zn	0.32	2	47.17	48.5

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