



GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance



Subscriber: **GeoPT229**
Round: **GeoPT43**

Laboratory Code: **B103**

Test Material: **ADS-1**
Date: **June 2018**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO ₂	0.15	2	51.01	51.17
TiO ₂	0.27	2	2.430	2.453
Al ₂ O ₃	0.05	2	13.74	13.76
Fe ₂ O ₃ T	-0.06	2	13.22	13.2
MnO	-0.3	2	0.1706	0.168
MgO	0.12	2	5.590	5.61
CaO	-0.27	2	8.970	8.9
Na ₂ O	-0.37	2	2.470	2.438
K ₂ O	0.12	2	0.9994	1.004
P ₂ O ₅	-0.42	2	0.3000	0.294
			mg/kg	mg/kg
Ba	-2.01	2	341.6	296
Be	-		1.070	
Ce	-		59.51	
Co	-		44.60	
Cr	-2.13	2	91.83	76
Cs	-		0.4624	
Cu	-0.06	2	64.31	64
Dy	-		6.100	
Er	-		3.059	
Eu	-		2.203	
Ga	1.42	2	21.88	25
Gd	-		7.260	
Hf	-		5.100	
Ho	-		1.164	
La	-		26.93	

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
Li	-		12.94	
Lu	-		0.3651	
Mo	-		3.200	
Nb	0.32	2	17.42	18
Nd	-		32.76	
Ni	-0.16	2	52.76	52
Pb	-		14.00	
Pr	-		7.750	
Rb	-0.11	2	25.28	25
Sb	-		0.08500	
Sc	-		27.56	
Sm	-		8.634	
Sn	-		18.15	
Sr	0.12	2	402.0	405
Ta	-		1.120	
Tb	-		1.084	
Th	-		3.095	
Tl	-		0.1641	
Tm	-		0.4138	
U	-		0.6460	
V	0	2	333.0	333
W	-		0.4380	
Y	-0.35	2	30.00	29
Yb	-		2.491	
Zn	0.23	2	113.0	115
Zr	-0.14	2	199.0	197

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