



GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance



Subscriber: **GeoPT365**
Round: **GeoPT47A**

Laboratory Code: **J89**

Test Material: **NES-1**
Date: **November 2020**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO ₂	-5.58	2	80.15	70.9
TiO ₂	-2.03	2	0.7000	0.64
Al ₂ O ₃	10.76	2	5.670	7.55
Fe ₂ O ₃ T	-1.53	2	3.121	2.96
MnO	9.56	2	0.09105	0.141
MgO	-		0.5013	
CaO	1.45	2	0.3200	0.342
K ₂ O	1.33	2	1.045	1.1
P ₂ O ₅	-		0.2300	
LOI	-		7.641	
			mg/kg	mg/kg
As	-0.74	2	10.04	9.2
Ba	-0.38	2	160.5	156
Be	-		0.7100	
Bi	-		0.1300	
Cd	-		0.2689	
Ce	-0.15	2	43.00	42.4
Co	-		8.385	
Cr	1.2	2	62.20	68.6
Cs	-		2.641	
Cu	2.79	2	18.00	23.2
Dy	-		2.953	
Er	-		1.818	
Eu	-		0.6800	
Ga	-		8.066	
Gd	-		2.930	
Hf	-		8.100	
Ho	-		0.6200	

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
La	-1.14	2	22.79	20.2
Li	-		21.23	
Lu	-		0.2900	
Mo	-		0.7150	
Nb	2.89	2	14.44	18.9
Nd	0.22	2	18.57	19
Ni	-		19.05	
Pb	1.3	2	25.10	28.3
Pr	-		5.040	
Rb	0.49	2	54.00	56.3
Sb	-		1.159	
Sc	-		5.300	
Sm	-		3.300	
Sn	-		1.980	
Sr	0.08	2	27.00	27.2
Ta	-		0.9390	
Tb	-		0.4665	
Th	-1.01	2	5.820	5.1
Tl	-		0.3160	
Tm	-		0.2800	
U	-2.21	2	2.090	1.43
V	-		51.00	
W	-		1.060	
Y	-2.76	2	17.80	12.7
Yb	-		1.820	
Zn	-1.11	2	64.11	58
Zr	-1.23	2	322.0	295.5

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