GeoPT

Proficiency Testing Programme for Geochemical Laboratories

Organised by the International Association of Geoanalysts (IAG)

Certificate of Performance

Subscriber: **GeoPT365** Laboratory Code: **H14** Test Material: **BIM-1**

Round: **GeoPT47** Date: **November 2020**

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			g/100g	g/100g
SiO2	**-3.11**	2	64.70	60.4
TiO2	**0.2**	2	0.7845	0.791
Al2O3	**8.34**	2	14.22	17.4
Fe2O3T	**-0.86**	2	6.581	6.41
MnO	**-1.33**	2	0.1517	0.141
MgO	-		2.200	
CaO	**1.55**	2	0.3930	0.421
Na2O	-		1.120	
K2O	**2.08**	2	2.716	2.91
P2O5	-		0.1397	
			mg/kg	mg/kg
As	**-1.06**	2	12.00	10.6
Ba	**0.26**	2	427.6	434.8
Be	-		2.234	
Bi	-		0.2000	
C(tot)	-		12240	
Cd	-		0.3870	
Ce	**0.19**	2	74.50	75.7
Co	-		19.92	
Cr	**2.47**	2	129.0	153.5
Cs	-		5.500	
Cu	**1.25**	2	41.65	46.4
Dy	-		5.820	
Er	-		3.270	
Eu	-		1.600	
Ga	**-1.12**	2	17.44	15.4
Gd	-		6.435	
Hf	-		6.305	

Analyte	Z-Score	Data Quality	Consensus Value	Result Submitted
			mg/kg	mg/kg
Ho	-		1.160	
La	**-1.12**	2	36.05	32.3
Li	-		42.91	
Lu	-		0.4680	
Mo	-		0.9880	
Nb	**0.43**	2	12.70	13.3
Nd	**0.29**	2	35.24	36.2
Ni	-		68.41	
Pb	**1.35**	2	40.04	45
Pr	-		9.086	
Rb	**1.05**	2	101.0	109.5
Sb	-		1.632	
Sc	-		17.00	
Sm	-		7.073	
Sn	-		2.000	
Sr	**0.36**	2	71.51	73.7
Ta	-		0.8509	
Tb	-		0.9900	
Th	**-1.52**	2	9.900	8.2
Tl	-		0.7250	
Tm	-		0.4855	
U	**-2.19**	2	2.826	1.98
V	-		117.3	
W	-		1.090	
Y	**-0.1**	2	32.00	31.7
Yb	-		3.100	
Zn	**-0.39**	2	106.6	103.3
Zr	**-0.34**	2	236.8	231.2

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| < 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