

Assigned Values for Pressed Powder Pellets

SdAR-L2*-P

Reference Values

Analyte	Value	Uncertainty (95% CL)	Unit	Analyte	Value	Uncertainty (95% CL)	Unit
Na ₂ O	2.66	0.03	g/100g	Mo	3.7	0.2	μg/g
Al ₂ O ₃	11.58	0.05	g/100g	Sb	21.8	0.8	μg/g
SiO ₂	74.48	0.13	g/100g	Cs	1.14	0.04	μg/g
P ₂ O ₅	0.080	0.002	g/100g	La	67.9	1.4	μg/g
K ₂ O	4.10	0.02	g/100g	Pr	16.2	0.4	μg/g
CaO	1.06	0.01	g/100g	Nd	60.3	1.5	μg/g
TiO ₂	0.620	0.004	g/100g	Sm	11.5	0.3	μg/g
MnO	0.099	0.002	g/100g	Eu	1.43	0.06	μg/g
Fe ₂ O ₃ (t)	3.64	0.02	g/100g	Gd	9.73	0.22	μg/g
Li	11.8	0.6	μg/g	Tb	1.58	0.07	μg/g
Be	3.38	0.13	μg/g	Dy	10.0	0.3	μg/g
Sc	5.6	0.3	μg/g	Ho	2.12	0.09	μg/g
V	35.0	0.9	μg/g	Er	6.19	0.55	μg/g
Cr	26	2	μg/g	Tm	0.95	0.03	μg/g
Co	5.4	0.2	μg/g	Yb	6.24	0.13	μg/g
Ni	14.3	0.9	μg/g	Lu	0.945	0.021	μg/g
Cu	50.8	1.1	μg/g	Ta	3.81	0.22	μg/g
Zn	201	3	μg/g	Tl	0.99	0.05	μg/g
Rb	120	2	μg/g	Pb	183	4	μg/g
Sr	150	2	μg/g	Bi	0.26	0.02	μg/g
Y	55.5	2.0	μg/g	Th	22.0	0.7	μg/g
Zr	626	14	μg/g	U	3.34	0.12	μg/g

Information Values

Analyte	Value	Uncertainty (95% CL)	Unit	Analyte	Value	Uncertainty (95% CL)	Unit
MgO	0.43	0.02	g/100g	In	0.47	0.03	μg/g
Ga	17.5	0.9	μg/g	Ba	812	20	μg/g
Ge	1.6	0.1	μg/g	Hf	16.7	0.9	μg/g
As	17	1	μg/g	W	1.6	0.3	μg/g
Nb	63	2	μg/g	Hg	0.33	0.05	μg/g
Cd	1.1	0.2	μg/g				

*The original manufacturer (International Association of Geoanalysts) is not liable for any issues occurring from the use of this material since they took no part in the manufacturing of the pellets.

All values including their uncertainties are taken from the reference material data sheet for the original powder. Information values did not fulfil all necessary statistical criteria of a reference value and should neither be considered for calibration nor validation.

Document History

<i>Version</i>	<i>Date</i>	<i>Changes applied</i>
1.0	14.07.2023	First publication

References

Potts P.J., Webb P.C. Reference Material Data Sheet for SdAR-L2 Blended sediment SdAR-M2 Metal-rich sediment SdAR-H1 Metalliferous sediment, International Association of Geoanalysts, 2020, available online at www.iageo.com.

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