

Assigned Values for Pressed Powder Pellets

SdAR-H1*-P

Reference Values

Analyte	Value	Uncertainty (95% CL)	Unit	Analyte	Value	Uncertainty (95% CL)	Unit
MgO	1.53	0.02	g/100g	Cs	4.78	0.24	μg/g
Al ₂ O ₃	11.83	0.08	g/100g	Ba	866	15	μg/g
SiO ₂	65.45	0.22	g/100g	La	44.9	1.3	μg/g
P ₂ O ₅	0.185	0.003	g/100g	Ce	89	3	μg/g
K ₂ O	4.17	0.03	g/100g	Pr	10.0	0.3	μg/g
CaO	1.46	0.01	g/100g	Nd	36.2	1.2	μg/g
TiO ₂	0.560	0.005	g/100g	Sm	6.42	0.13	μg/g
MnO	0.515	0.007	g/100g	Eu	1.25	0.05	μg/g
Fe ₂ O ₃ (t)	6.45	0.05	g/100g	Gd	5.35	0.25	μg/g
Li	50.5	2.5	μg/g	Tb	0.78	0.03	μg/g
Sc	8.2	0.3	μg/g	Dy	4.50	0.21	μg/g
V	73.2	2.1	μg/g	Ho	0.91	0.05	μg/g
Co	55.6	1.7	μg/g	Er	2.67	0.11	μg/g
Ni	234	8	μg/g	Tm	0.405	0.014	μg/g
Cu	1170	12	μg/g	Yb	2.66	0.02	μg/g
Zn	3725	60	μg/g	Lu	0.41	0.02	μg/g
Ga	15.6	0.7	μg/g	Ta	1.41	0.08	μg/g
Rb	154	3	μg/g	Tl	11.1	0.7	μg/g
Sr	182	3	μg/g	Pb	3895	75	μg/g
Zr	262	3	μg/g				

Information Values

Analyte	Value	Uncertainty (95% CL)	Unit	Analyte	Value	Uncertainty (95% CL)	Unit
Na ₂ O	1.10	0.03	g/100g	Cd	24.4	1.1	μg/g
Be	21.8	1.5	μg/g	In	9.5	0.6	μg/g
Cr	225	12	μg/g	Hf	6.9	1.0	μg/g
Y	25.4	1.5	μg/g	Bi	5.1	0.4	μg/g
Nb	22	1	μg/g	Th	17.7	1.2	μg/g
Mo	66	3	μg/g	U	4.2	0.3	μg/g
Ag	76	6	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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