

Assigned Values for Pressed Powder Pellets

SdAR-M2*-P

Reference Values

Analyte	Value	Uncertainty (95% CL)	Unit	Analyte	Value	Uncertainty (95% CL)	Unit
Na ₂ O	2.59	0.03	g/100g	Ba	990	15	μg/g
Al ₂ O ₃	12.47	0.06	g/100g	La	46.6	1.3	μg/g
SiO ₂	73.45	0.17	g/100g	Ce	100	2	μg/g
K ₂ O	5.00	0.03	g/100g	Pr	11.0	0.2	μg/g
CaO	0.84	0.01	g/100g	Nd	40.0	0.6	μg/g
TiO ₂	0.300	0.003	g/100g	Sm	7.18	0.15	μg/g
MnO	0.134	0.002	g/100g	Eu	1.44	0.05	μg/g
Fe ₂ O ₃ (t)	2.63	0.02	g/100g	Gd	6.3	0.2	μg/g
Li	18.1	0.8	μg/g	Tb	0.95	0.07	μg/g
Be	6.6	0.2	μg/g	Dy	5.88	0.13	μg/g
Sc	4.08	0.21	μg/g	Ho	1.21	0.03	μg/g
V	25.2	0.9	μg/g	Er	3.58	0.14	μg/g
Co	12.4	0.5	μg/g	Tm	0.54	0.02	μg/g
Ni	48.8	1.3	μg/g	Lu	0.54	0.02	μg/g
Zn	772	19	μg/g	Hf	7.3	0.3	μg/g
Rb	149	3	μg/g	Ta	1.76	0.12	μg/g
Sr	144	2	μg/g	W	3.45	0.30	μg/g
Y	32.7	0.7	μg/g	Pb	808	17	μg/g
Nb	26.2	0.9	μg/g	Bi	1.05	0.04	μg/g
Cd	5.1	0.3	μg/g	Th	14.2	0.4	μg/g
Cs	1.80	0.06	μg/g	U	2.53	0.10	μg/g

Information Values

Analyte	Value	Uncertainty (95% CL)	Unit	Analyte	Value	Uncertainty (95% CL)	Unit
MgO	0.49	0.02	g/100g	Mo	13.1	0.3	μg/g
P ₂ O ₅	0.079	0.003	g/100g	Sn	2.4	0.3	μg/g
Cr	51	3	μg/g	Sb	111	5	μg/g
Cu	239	6	μg/g	Yb	3.5	0.1	μg/g
Ga	17.6	0.4	μg/g	Hg	1.4	0.1	μg/g
As	80	3	μg/g	Tl	2.9	0.3	μg/g
Zr	259	8	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.

Legal notice

Our order, sales and delivery conditions apply. The valid version of our general terms and conditions (status 01.09.2019) - can be found on our website: <https://www.my-standards.com/terms-and-conditions/>. They are also available on request.