

Assigned Values for Pressed Powder Pellets

AMIS0603*-P

Assigned Values

Analyte	Value	Unc. (2s)	Unit	Method
Li	2.69	0.21	g/100g	A
Al	12.13	0.58	g/100g	A
Ca	1.45	0.19	g/100g	A
Cr	342	88	ppm	A
Fe	2.10	0.25	g/100g	A
K	6265	772	ppm	A
Mg	3182	426	ppm	A
Mn	1800	301	ppm	A
Si	28.97	1.0	g/100g	A
SG	3.06	0.14		B
C	6243	957	ppm	C
Ba	87	8	ppm	A
Be	246	24	ppm	A
Bi	148	8	ppm	A
Ce	36	3	ppm	A
Cs	71	12	ppm	A
Cu	61	13	ppm	A
Dy	2	0.2	ppm	A
Er	0.6	0.1	ppm	A
Eu	0.6	0.04	ppm	A
Ga	164	12	ppm	A
Gd	6	0.6	ppm	A
Ge	6	2	ppm	A

Assigned Values

Analyte	Value	Unc. (2s)	Unit	Method
Ho	0.2	0.09	ppm	A
La	14	2	ppm	A
Mo	14	4	ppm	A
Nb	87	15	ppm	A
Nd	19	1	ppm	A
Ni	22	8	ppm	A
P	646	109	ppm	A
Pb	23	6	ppm	A
Pr	5	0.7	ppm	A
Rb	564	36	ppm	A
Sb	10	2	ppm	A
Sc	9	2	ppm	A
Sm	7	0.6	ppm	A
Sn	84	23	ppm	A
Sr	135	13	ppm	A
Ta	134	14	ppm	A
Tb	0.7	0.1	ppm	A
Th	8	1	ppm	A
Ti	1386	261	ppm	A
Tl	4	2	ppm	A
U	14	1	ppm	A
Y	11	1	ppm	A
Zn	637	114	ppm	A

Assigned Values Major Oxides

Analyte	Value	Unc. (2s)	Unit	Method
Al ₂ O ₃	22.91	1.1	g/100g	A
Al ₂ O ₃	23.48	0.32	g/100g	D
CaO	2.03	0.27	g/100g	A
CaO	2.05	0.053	g/100g	D
Fe ₂ O ₃	3.00	0.36	g/100g	A
Fe ₂ O ₃	3.12	0.14	g/100g	D
K ₂ O	0.75	0.09	g/100g	A
K ₂ O	0.72	0.01	g/100g	D
MgO	0.53	0.07	g/100g	A
MgO	0.56	0.02	g/100g	D

Assigned Values Major Oxides

Analyte	Value	Unc. (2s)	Unit	Method
MnO	0.23	0.04	g/100g	A
MnO	0.24	0.02	g/100g	D
Na ₂ O	0.85	0.03	g/100g	D
P ₂ O ₅	0.15	0.02	g/100g	A
P ₂ O ₅	0.16	0.02	g/100g	D
SiO ₂	61.98	2.1	g/100g	A
SiO ₂	60.91	0.73	g/100g	D
TiO ₂	0.23	0.04	g/100g	A
TiO ₂	0.25	0.03	g/100g	D

*The original manufacturer (African Mineral Standards (Pty) Ltd) is not liable for any issues occurring from the use of this material since they took no part in the manufacturing of the pellets.

The assigned values are from the original certificate of analysis of the original powder retrieved from <https://amis.co.za/wp-content/uploads/AMIS0603-Certificate.pdf> on 13.07.2023. Please also find background information from this. The uncertainty is given as two standard deviations (2s).

List of analytical methods used as stated in the original certificate of analysis:

- A Fusion digestion with ICP finish
- B Specific Gravity
- C Combustion/LECO
- D X-ray Fluorescence

Document History

<i>Version</i>	<i>Date</i>	<i>Changes applied</i>
1.0	13.07.2023	First publication

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.