

## Assigned Values for Pressed Powder Pellets

### AMIS0565\*-P

#### Assigned Values

Analyte	Value	Unc. (2s)	Unit	Method
Li	5348	620	ppm	A
Li	5424	468	ppm	B
Be	366	96	ppm	B
Cs	643	112	ppm	B
Ga	44	5	ppm	B
Fe	4584	710	ppm	A
Fe	4441	559	ppm	B
Nb	54	12	ppm	B
Rb	4202	337	ppm	A
Sn	14	4	ppm	B
Ta	46	14	ppm	B
C	5398	379	ppm	C
LOI	3.67	0.43	g/100g	D
SG	2.68	0.11		E
Ag	1	0.1	ppm	B
Al	76324	2282	ppm	A
As	6	2	ppm	B
Ba	33	5	ppm	B
Bi	37	7	ppm	B
Ca	17232	1108	ppm	B
Co	2	0.3	ppm	B
Cu	11	2	ppm	B
Dy	0.4	0.1	ppm	B
Er	0.1	0.1	ppm	B
Gd	0.3	0.2	ppm	B
Hf	6	2	ppm	B

#### Assigned Values

Analyte	Value	Unc. (2s)	Unit	Method
K	28920	1380	ppm	B
La	1	0.5	ppm	B
Mg	2599	286	ppm	A
Mn	1508	250	ppm	B
Mo	1	0.1	ppm	B
Na	15529	1269	ppm	B
Nd	1	1	ppm	B
Ni	5	1	ppm	B
P	1996	202	ppm	B
Pb	31	5	ppm	B
Pr	0.4	0.1	ppm	B
Sb	4	1	ppm	B
Sc	1	0.2	ppm	B
Sm	0.3	0.1	ppm	B
Sr	70	10	ppm	B
Tb	0.1	0.04	ppm	B
Th	4	1	ppm	B
Tl	24	4	ppm	B
U	7	1	ppm	B
V	8	2	ppm	B
W	8	2	ppm	B
Y	2	0.4	ppm	B
Yb	0	0.1	ppm	B
Zn	74	14	ppm	B
Zr	25	6	ppm	B

#### Assigned Values Major Oxides

Analyte	Value	Unc. (2s)	Unit	Method
Al <sub>2</sub> O <sub>3</sub>	14.60	0.39	g/100g	F
Al <sub>2</sub> O <sub>3</sub>	14.39	0.46	g/100g	A
CaO	2.38	0.14	g/100g	F
Fe <sub>2</sub> O <sub>3</sub>	0.66	0.05	g/100g	F
K <sub>2</sub> O	3.57	0.15	g/100g	F
MgO	0.43	0.04	g/100g	F

#### Assigned Values Major Oxides

Analyte	Value	Unc. (2s)	Unit	Method
MgO	0.43	0.05	g/100g	A
MnO	0.21	0.01	g/100g	F
Na <sub>2</sub> O	2.13	0.058	g/100g	F
P <sub>2</sub> O <sub>5</sub>	0.45	0.05	g/100g	F
SiO <sub>2</sub>	69.79	1.27	g/100g	F

\*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/AMIS0565-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 by ICP finish
- B Multi acid digestion with ICP Finish
- C Combustion/LECO (analysis by combustion infra-red)
- D Loss on Ignition
- E Specific gravity
- F 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.