

## Assigned Values for Pressed Powder Pellets

### AMIS0851\*-P

#### Assigned Values

Analyte	Value	Unc. (2s)	Unit	Method
Li	2.73	0.085	g/100g	A
Li	2.71	0.090	g/100g	B
SG	3.01	0.050		C
Al	13.00	0.24	g/100g	B
Ba	113	4	ppm	B
Be	31	3	ppm	B
Fe	8592	705	ppm	B
Ga	79	6	ppm	B
K	7955	177	ppm	B

#### Assigned Values

Analyte	Value	Unc. (2s)	Unit	Method
Mn	1371	54	ppm	B
Nb	174	12	ppm	B
Rb	431	16	ppm	B
Si	30.94	0.87	g/100g	B
Sn	387	34	ppm	B
Sr	87	6	ppm	B
Ta	529	39	ppm	B
Zn	127	14	ppm	B

#### Assigned Values Major Oxides

Analyte	Value	Unc. (2s)	Unit	Method
Al <sub>2</sub> O <sub>3</sub>	25.19	1.6	g/100g	D
CaO	0.33	0.01	g/100g	D
Fe <sub>2</sub> O <sub>3</sub>	1.29	0.11	g/100g	D
K <sub>2</sub> O	0.93	0.07	g/100g	D

#### Assigned Values Major Oxides

Analyte	Value	Unc. (2s)	Unit	Method
MgO	0.32	0.03	g/100g	D
Na <sub>2</sub> O	0.83	0.04	g/100g	D
P <sub>2</sub> O <sub>5</sub>	0.26	0.02	g/100g	D
SiO <sub>2</sub>	64.98	4.1	g/100g	D

The assigned values are from the original certificate of analysis of the original powder retrieved from <https://amis.co.za/wp-content/uploads/AMIS0851-Certificate.pdf> on 14.07.2023. 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 Multi-acid digestion with either ICPOES/ICPMS/AAS finish
- B Fusion digestion with either ICPOES/ICPMS/AAS finish
- C Specific Gravity
- D X-ray Fluorescence

#### Document History

Version	Date	Changes applied
1.0	14.07.2023	First publication

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\*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.