



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

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Reference: **u362217.a**
Date Finished: 17/09/2024
Order: 15723
Project: 15723
Date Received: 23/08/2024
Samples Analysed: **3**

REVISED REPORT

Analysis of Mineral Samples

for

Whitfield Minerals Pty Ltd

PO Box 1363 Mandurah WA 6210

Attention: Mr B Knight

Bureau Veritas Minerals Pty Ltd has carried out the preparation and analysis of samples to the best of its ability and with due regard to the importance of all samples submitted. However, in the event of default by Bureau Veritas Minerals Pty Ltd in providing services as defined by contracts, Bureau Veritas Minerals Pty Ltd shall have no other liability for any negligent act, default, omission or breach of such contract. The liability of our company is limited by our General Terms and Conditions of Service. At all times, the results of analysis must be interpreted as pertaining to the samples as they were received at the laboratory. Where applicable, information describing the submitted sample/s has been supplied by the client or associated third party.

Authorised By:

Patrick Galvin

Geo-analytical Technical
Manager

Minerals Western Australia

Bureau Veritas Minerals Pty Ltd



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	GYPSUM	SiO2	Al2O3	CaO	Ca	Fe2O3	K2O	MgO
	%	%	%	%	%	%	%	%
Detection Limit	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01
Sample 1	91.82	6.26	0.27	30.13	21.5	0.69	0.029	0.03
Sample 2	82.69	13.86	0.41	27.38	19.6	1.15	0.065	0.04
Sample 3	84.84	12.39	0.40	28.03	20.0	1.22	0.059	0.04
Std Nominal		65.66	14.70	2.64	1.89	4.69	3.31	2.01
Determined	0.13	65.61	14.70	2.59	1.85	4.62	3.31	2.01
Std Nominal		81.90	9.14	0.08	0.06	2.27	3.31	0.41
Determined	0.37	81.88	9.11	0.08	0.06	2.28	3.29	0.41
Std Nominal				32.60	23.3			<0.01
Determined	99.87	<0.01	0.01	32.59	23.3	0.01	<0.001	<0.01



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	Na2O %	P2O5 %	SO3 %	S XRF %	TiO2 %	MnO %	Cl %	LOI 1000 %
Detection Limit	0.01	0.001	0.01	0.001	0.01	0.01	0.001	0.01
Sample 1	<0.01	0.028	42.7	17.1	0.03	0.01	0.017	20.14
Sample 2	<0.01	0.026	38.5	15.4	0.04	0.01	0.024	18.58
Sample 3	<0.01	0.027	39.5	15.8	0.04	0.01	0.025	18.77
Std Nominal	3.74	0.167			0.41	0.08		1.51
Determined	3.74	0.169	0.06	0.024	0.41	0.09	0.013	1.55
Std Nominal	0.34	0.029	<0.01	0.003	0.43	0.10		
Determined	0.33	0.029	0.17	0.068	0.42	0.10	<0.001	3.06
Std Nominal	<0.01		46.4	18.6				20.93
Determined	0.01	0.028	46.5	18.6	0.01	<0.01	<0.001	20.90

 These results pertain to the samples as received at this laboratory.
 Where standards are reported, the nominal value for the element is reported above the result found.

Sample Storage

 The excess material (Residue) will be dumped after 30 days
 The pulp samples (Pulp) will be dumped after 60 days as per instructions.

Sample Preparation

 The received samples have been split into 2 portions (50:50).
 1 portion has been dried at 45 degrees and pulverised.
 2nd portion to be sent to PMP for Dry Sieving at Client specified sizes

Digest and Analysis:

 The samples have been cast using a 66:34 flux with 4% Lithium nitrate added to form a glass bead.

Al2O3, Ca, CaO, Cl, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, S, XRF, SiO2, SO3, TiO2
 have been determined by X-Ray Fluorescence Spectrometry on oven dry (105'C) sample unless otherwise stated.

The following Loss on Ignition results have been determined using Thermo-Gravimetric Analysers. Results are reported on a dry sample basis.

LOI,1000
 have been determined via TGA

GYPSUM
 have been calculated from other components assayed.

Comments:

 Revised to include Calcium and Sulphur % reported and also the gypsum purity, expressed as a %, calculated from the sulphur %