



## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D [P] & 34 D, KIADB Industrial Area, Hoskote  
Bangalore – 562 114. Phone No: 080 – 2801 5333,  
Website: www.shivaanalytics.com

## TEST REPORT

Customer Name **Maheshwari Mining Private Limited-Assam**  
**Nil Umrang so Umrang so-788931**

Discipline & Group **Chemical & Ores and Minerals.**

Customer Ref. **MMPL/2023/WO-11**

Commodity **Limestone**

Lab ID **G8981**

Date Received/Start of Analysis **19-Jul-24**

Date Completed/Report **23-Jul-24**

Sample Count **53**

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103
			DL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Total Iron as Fe	Total Iron as Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	V2O5	LOI
1	AMIS0461	CRM	Cert.	0.80	N.A	48.31	0.38	0.55	0.78	N.A	0.83	0.05	N.A	N.A	0.05	0.05	10.10	N.A	38.71
3	BLD-01	Powder	G8981-1	2.59	<0.05	46.86	<0.05	3.05	4.36	0.23	1.16	<0.05	<0.08	0.05	0.20	0.12	4.49	<0.05	39.72
5	BLD-02	Powder	G8981-2	1.15	<0.05	49.34	<0.05	3.22	4.61	0.10	0.88	1.10	<0.08	0.12	0.10	<0.05	1.42	<0.05	40.92
7	BLD-03	Powder	G8981-3	1.96	<0.05	0.13	<0.05	4.96	7.10	0.13	<0.05	<0.05	0.08	0.07	<0.05	0.18	87.90	<0.05	2.35
9	BLD-04	Powder	G8981-4	1.99	<0.05	0.06	<0.05	1.02	1.46	0.20	<0.05	<0.05	0.08	<0.05	<0.05	0.18	94.46	<0.05	1.48
11	BLD-05	Powder	G8981-5	2.64	<0.05	46.01	<0.05	2.83	4.05	0.29	1.15	0.07	<0.08	0.22	0.10	0.12	5.93	<0.05	39.23
13	BLD-06	Powder	G8981-6	1.99	<0.05	49.68	<0.05	0.92	1.31	0.15	1.30	<0.05	<0.08	<0.05	0.48	0.08	3.54	<0.05	41.29
15	BLD-07	Powder	G8981-7	1.85	<0.05	49.60	<0.05	1.21	1.73	0.14	1.31	<0.05	<0.08	<0.05	0.66	0.07	3.41	<0.05	41.07
17	BLD-08	Powder	G8981-8	1.97	<0.05	44.43	<0.05	6.17	8.82	0.11	1.37	1.31	<0.08	0.28	0.11	0.07	2.79	<0.05	38.53
19	BLD-09	Powder	G8981-9	1.64	<0.05	48.43	<0.05	2.93	4.18	0.10	1.23	0.18	<0.08	0.05	1.00	0.07	2.72	<0.05	40.19
21	BLD-10	Powder	G8981-10	2.03	<0.05	49.15	<0.05	1.36	1.95	0.16	1.37	<0.05	<0.08	<0.05	0.75	0.07	3.47	<0.05	40.87
23	BLD-10	Powder	G8981-10	1.91	<0.05	49.23	<0.05	1.36	1.95	0.16	1.37	<0.05	<0.08	<0.05	0.75	0.07	3.51	<0.05	40.84
25	BLD-11	Powder	G8981-11	2.08	<0.05	47.72	<0.05	3.08	4.41	0.17	1.20	<0.05	<0.08	<0.05	0.18	0.09	3.44	<0.05	40.44
27	BLD-12	Powder	G8981-12	1.08	<0.05	52.25	<0.05	0.61	0.87	0.06	0.96	<0.05	<0.08	<0.05	0.09	<0.05	1.43	<0.05	43.07
29	BLD-13	Powder	G8981-13	1.70	<0.05	50.43	<0.05	1.02	1.45	0.12	1.09	<0.05	<0.08	<0.05	0.22	0.06	2.72	<0.05	42.06
31	BLD-14	Powder	G8981-14	1.95	<0.05	45.82	<0.05	4.71	6.73	0.07	1.42	0.41	<0.08	0.06	1.14	0.06	3.27	<0.05	38.89
33	BLD-15	Powder	G8981-15	1.33	<0.05	0.40	<0.05	2.80	4.01	0.10	<0.05	<0.05	0.08	<0.05	<0.05	0.15	92.03	<0.05	1.78
35	BLD-16	Powder	G8981-16	4.90	<0.05	33.47	<0.05	12.06	17.24	0.45	1.37	0.48	<0.08	0.57	0.19	0.24	9.88	<0.05	31.00
37	BLD-17	Powder	G8981-17	2.23	<0.05	42.64	<0.05	4.95	7.07	0.23	1.29	0.79	<0.08	0.31	0.10	0.10	8.45	<0.05	36.58
39	BLD-18	Powder	G8981-18	2.55	<0.05	40.24	<0.05	9.84	14.06	0.15	1.60	0.31	<0.08	0.38	0.09	0.10	4.22	<0.05	36.08
41	BLD-19	Powder	G8981-19	2.42	<0.05	47.16	<0.05	2.48	3.55	0.21	1.28	0.17	<0.08	0.06	1.01	0.11	4.39	<0.05	39.47
43	BLD-20	Powder	G8981-20	1.75	<0.05	50.46	<0.05	1.08	1.55	0.11	1.10	<0.05	<0.08	<0.05	0.62	0.05	2.60	<0.05	41.60
45	BLD-20	Powder	G8981-20	1.71	<0.05	50.15	<0.05	1.07	1.53	0.11	1.10	<0.05	<0.08	<0.05	0.63	0.05	2.56	<0.05	41.98
47	AMIS0461	CRM	Meas.	0.82	-	48.37	0.40	0.56	0.80	-	0.81	0.06	-	-	-	0.06	10.12	-	38.68
49	BLD-21	Powder	G8981-21	1.78	<0.05	46.71	<0.05	4.53	6.47	0.10	1.23	0.39	<0.08	0.07	0.07	0.06	3.19	<0.05	39.77
51	BLD-22	Powder	G8981-22	2.57	<0.05	41.44	<0.05	8.54	12.21	0.16	1.40	0.24	<0.08	0.29	0.08	0.10	4.19	<0.05	37.14
53	BLD-23	Powder	G8981-23	1.51	<0.05	49.51	<0.05	1.90	2.72	0.10	1.12	0.26	<0.08	<0.05	0.29	0.06	2.59	<0.05	41.65
55	BLD-24	Powder	G8981-24	1.94	<0.05	47.79	<0.05	2.85	4.07	0.16	1.38	0.17	<0.08	<0.05	0.09	0.09	3.48	<0.05	40.60
57	BLD-25	Powder	G8981-25	1.87	<0.05	47.98	<0.05	2.76	3.95	0.17	1.10	0.13	<0.08	0.05	0.09	0.09	3.53	<0.05	40.90
59	BLD-26	Powder	G8981-26	1.26	<0.05	48.64	<0.05	3.62	5.17	0.08	1.07	0.20	<0.08	<0.05	0.08	0.06	2.36	<0.05	40.87
61	BLD-27	Powder	G8981-27	2.21	<0.05	44.51	<0.05	5.69	8.13	0.16	1.47	0.77	<0.08	0.05	0.09	0.08	4.09	<0.05	38.24
63	BLD-28	Powder	G8981-28	2.45	<0.05	41.99	<0.05	8.35	11.93	0.20	1.37	0.23	<0.08	0.16	0.08	0.10	4.16	<0.05	37.13
65	BLD-29	Powder	G8981-29	2.27	<0.05	46.21	<0.05	3.61	5.16	0.21	1.39	0.17	<0.08	<0.05	0.09	0.10	4.46	<0.05	39.68
67	BLD-30	Powder	G8981-30	2.10	<0.05	44.27	<0.05	6.39	9.14	0.13	1.22	0.37	<0.08	0.10	0.07	0.08	4.20	<0.05	38.14



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Website: www.shivaanalyticals.com

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103
			DL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Total Iron as Fe	Total Iron as Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	V2O5	LOI
69	BLD-30	Powder	G8981-30	2.05	<0.05	44.38	<0.05	6.41	9.16	0.13	1.22	0.39	<0.08	0.10	0.06	0.08	4.17	<0.05	38.07
71	BLD-31	Powder	G8981-31	1.91	<0.05	44.30	<0.05	6.66	9.52	0.10	1.13	0.27	<0.08	0.11	0.07	0.07	3.75	<0.05	38.57
73	BLD-32	Powder	G8981-32	1.81	<0.05	48.28	<0.05	2.81	4.02	0.18	1.02	0.15	<0.08	<0.05	0.08	0.10	3.48	<0.05	40.68
75	BLD-33	Powder	G8981-33	1.82	<0.05	48.28	<0.05	2.73	3.90	0.16	1.09	0.12	<0.08	<0.05	0.09	0.09	3.53	<0.05	40.72
77	BLD-34	Powder	G8981-34	1.91	<0.05	44.24	<0.05	5.94	8.49	0.09	1.78	0.46	<0.08	0.06	1.35	0.07	4.01	<0.05	37.36
79	BLD-35	Powder	G8981-35	1.63	<0.05	49.68	<0.05	1.91	2.72	0.11	1.01	0.41	<0.08	<0.05	0.09	0.06	2.67	<0.05	41.44
81	BLD-36	Powder	G8981-36	3.32	<0.05	41.43	<0.05	7.05	10.09	0.28	1.39	0.17	<0.08	0.13	0.07	0.16	5.81	<0.05	36.97
83	BLD-37	Powder	G8981-37	2.94	<0.05	41.39	<0.05	7.44	10.64	0.27	1.33	0.16	<0.08	0.14	0.07	0.16	5.74	<0.05	36.96
85	BLD-38	Powder	G8981-38	1.99	<0.05	47.33	<0.05	3.52	5.04	0.15	1.15	0.46	<0.08	0.08	0.08	0.08	3.17	<0.05	40.29
87	BLD-39	Powder	G8981-39	1.36	<0.05	45.38	<0.05	6.65	9.51	<0.05	1.07	1.35	<0.08	0.22	<0.05	<0.05	1.73	<0.05	39.03
89	BLD-40	Powder	G8981-40	2.18	<0.05	44.40	<0.05	5.62	8.03	0.12	1.54	0.79	<0.08	<0.05	0.07	0.08	4.21	<0.05	38.33
91	BLD-40	Powder	G8981-40	2.01	<0.05	44.42	<0.05	5.64	8.07	0.12	1.54	0.81	<0.08	<0.05	0.07	0.07	4.23	<0.05	38.39
93	AMIS0461	CRM	Meas.	0.84	-	48.32	0.36	0.51	0.74	-	0.79	0.06	-	-	-	0.05	10.09	-	38.73
95	BLD-41	Powder	G8981-41	1.92	<0.05	0.14	<0.05	2.40	3.43	0.39	<0.05	0.37	0.08	<0.05	<0.05	0.30	91.57	<0.05	1.60
97	BLD-42	Powder	G8981-42	2.09	<0.05	0.24	<0.05	2.05	2.94	0.19	<0.05	<0.05	0.08	<0.05	<0.05	0.20	92.33	<0.05	1.80
99	BLD-43	Powder	G8981-43	1.95	<0.05	0.25	<0.05	3.91	5.58	0.14	<0.05	<0.05	0.08	0.07	<0.05	0.18	89.68	<0.05	1.97
101	BLD-44	Powder	G8981-44	1.74	<0.05	48.79	<0.05	2.43	3.47	0.17	1.01	0.15	<0.08	<0.05	0.08	0.09	3.31	<0.05	40.99
103	BLD-45	Powder	G8981-45	1.55	<0.05	48.86	<0.05	2.90	4.15	0.12	1.07	0.47	<0.08	<0.05	0.10	0.06	2.33	<0.05	41.10
105	BLD-46	Powder	G8981-46	1.76	<0.05	48.16	<0.05	3.00	4.28	0.12	1.12	0.48	<0.08	<0.05	0.14	0.07	2.96	<0.05	40.72
107	BLD-47	Powder	G8981-47	2.46	<0.05	44.59	0.05	5.29	7.56	0.27	1.35	0.55	<0.08	0.49	0.09	0.10	3.80	<0.05	38.50
109	BLD-48	Powder	G8981-48	2.14	<0.05	44.20	<0.05	5.35	7.66	0.15	1.32	0.75	<0.08	0.15	0.07	0.08	4.85	<0.05	38.42
111	BLD-49	Powder	G8981-49	1.75	<0.05	49.00	<0.05	2.19	3.12	0.13	1.01	0.42	<0.08	<0.05	0.10	0.06	2.94	<0.05	41.28
113	BLD-50	Powder	G8981-50	1.95	<0.05	44.69	<0.05	5.23	7.48	0.14	1.33	1.48	<0.08	0.11	0.11	0.08	3.32	<0.05	39.11
115	BLD-50	Powder	G8981-50	1.96	<0.05	44.82	<0.05	5.22	7.47	0.13	1.32	1.47	<0.08	0.11	0.11	0.08	3.34	<0.05	38.98
117	BLD-51	Powder	G8981-51	2.04	<0.05	45.60	<0.05	4.87	6.97	0.22	1.29	0.68	<0.08	0.22	0.09	0.10	3.56	<0.05	39.04
119	BLD-52	Powder	G8981-52	1.91	<0.05	44.93	<0.05	5.31	7.60	0.14	1.34	1.38	<0.08	0.07	0.11	0.08	3.06	<0.05	39.17
121	BLD-53	Powder	G8981-53	1.48	<0.05	49.47	<0.05	1.92	2.74	0.11	1.10	0.28	<0.08	<0.05	0.17	0.06	2.87	<0.05	41.53

## Abbreviations:

SOP/OM/105: Borate Fusion Bead followed by WDXRF Finish

SOP/OM/103: Loss On Ignition followed by Gravimetry Finish

Certi. -- Certified

Meas. -- Measured

DL--Detection Limit

## Accuracy, Precision, Matrix Method and Instrument dependent.

AMIS0461: Certified Reference Material Standard

SATYANARAYANA - MANAGER - ORES &amp; MINERALS - AUTHORIZED SIGNATORY.

\*\* END OF THE REPORT \*\*

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission. 5. In case any reconfirmation of contents of this test certificate is required, please contact our office. 6. Sampling is not done by us unless otherwise specified. 7. Any discrepancy in the Test Certificate should be notified within 30 days.

Customer Name	Maheshwari Mining Pvt Limited -Assam Umrangso-788931
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Discipline & Group      Chemical & Ores and Minerals.  
Customer Ref.            MMPL/SHIVA/2024/WO-02 (PBH-01)  
Commodity                Geological Rock Powders  
Lab ID                      G470  
Sample Receipt Date     05-Feb-25  
Analysis Completion Date 11-Feb-25  
Date of Reporting        11-Feb-25  
Sample Count            84

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
1	IPT-61	CRM	Cert.	0.05	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	99.79	N.A	N.A	N.A
2	IPT-44	CRM	Cert.	0.33	N.A	50.55	N.A	0.21	0.30	0.12	2.93	N.A	N.A	N.A	N.A	N.A	2.69	N.A	N.A	42.90
3	BLD/PBH01/01	Powder	G470-1	3.58	<0.05	42.25	<0.05	2.85	4.07	0.35	2.59	<0.05	<0.08	<0.05	1.30	0.15	8.74	0.11	<0.05	36.72
4	BLD/PBH01/02	Powder	G470-2	2.51	<0.05	45.90	<0.05	2.14	3.06	0.23	2.22	0.06	<0.08	<0.05	1.02	0.10	5.60	0.10	<0.05	39.09
5	BLD/PBH01/03	Powder	G470-3	2.44	<0.05	45.36	<0.05	2.59	3.71	0.22	2.57	0.11	<0.08	<0.05	1.29	0.10	5.08	0.09	<0.05	38.89
6	BLD/PBH01/04	Powder	G470-4	2.18	<0.05	46.62	<0.05	2.76	3.95	0.19	2.09	0.20	<0.08	<0.05	1.29	0.08	4.08	0.11	<0.05	39.08
7	BLD/PBH01/05	Powder	G470-5	1.84	<0.05	47.59	<0.05	2.19	3.14	0.14	1.90	0.32	<0.08	<0.05	1.62	0.07	3.45	0.09	<0.05	39.73
8	BLD/PBH01/06	Powder	G470-6	2.66	<0.05	44.43	<0.05	3.81	5.45	0.21	2.27	0.31	<0.08	<0.05	2.14	0.10	4.94	0.08	<0.05	37.26
9	BLD/PBH01/07	Powder	G470-7	2.23	<0.05	47.29	<0.05	2.32	3.31	0.20	1.62	0.24	<0.08	<0.05	1.72	0.09	4.08	0.08	<0.05	39.02
10	BLD/PBH01/08	Powder	G470-8	1.72	<0.05	48.98	<0.05	2.10	3.01	0.11	1.50	0.31	<0.08	<0.05	1.27	0.06	3.05	0.08	<0.05	39.79
11	BLD/PBH01/09	Powder	G470-9	2.11	<0.05	47.50	<0.05	2.11	3.02	0.15	1.70	0.19	<0.08	<0.05	1.69	0.08	3.58	0.08	<0.05	39.78
12	BLD/PBH01/10	Powder	G470-10	3.03	<0.05	43.30	<0.05	3.60	5.15	0.29	2.81	0.13	<0.08	0.09	0.86	0.15	5.88	0.08	<0.05	38.13
13	BLD/PBH01/10	Powder	G470-10	2.99	<0.05	43.28	<0.05	3.62	5.18	0.29	2.81	0.14	<0.08	0.09	0.87	0.15	5.83	0.08	<0.05	38.19
14	BLD/PBH01/11	Powder	G470-11	3.35	<0.05	42.19	<0.05	4.64	6.64	0.32	3.14	0.13	<0.08	0.06	0.68	0.16	6.17	0.10	<0.05	36.94
15	BLD/PBH01/12	Powder	G470-12	3.32	<0.05	42.23	<0.05	4.35	6.22	0.32	2.94	<0.05	<0.08	0.07	0.70	0.16	5.97	0.10	<0.05	37.82
16	BLD/PBH01/13	Powder	G470-13	3.43	<0.05	42.73	<0.05	4.17	5.96	0.33	2.61	<0.05	<0.08	0.09	0.78	0.17	6.29	0.11	<0.05	37.37
17	BLD/PBH01/14	Powder	G470-14	4.65	<0.05	39.62	<0.05	3.15	4.50	0.54	3.52	<0.05	<0.08	0.11	0.70	0.24	9.63	0.11	<0.05	36.29
18	BLD/PBH01/15	Powder	G470-15	5.66	<0.05	35.55	<0.05	4.68	6.69	0.65	4.08	<0.05	<0.08	0.10	0.64	0.28	11.78	0.10	<0.05	34.35
19	BLD/PBH01/16	Powder	G470-16	5.03	<0.05	37.48	<0.05	6.31	9.02	0.52	2.71	<0.05	<0.08	0.15	0.64	0.25	9.79	0.11	<0.05	34.19
20	BLD/PBH01/17	Powder	G470-17	2.96	<0.05	44.59	<0.05	1.96	2.80	0.30	2.61	<0.05	<0.08	<0.05	0.74	0.15	6.43	0.10	<0.05	39.19
21	BLD/PBH01/18	Powder	G470-18	4.50	<0.05	40.47	<0.05	3.83	5.48	0.45	2.57	<0.05	<0.08	0.09	1.03	0.23	8.97	0.10	<0.05	36.00
22	BLD/PBH01/19	Powder	G470-19	3.51	<0.05	42.59	<0.05	4.27	6.10	0.33	2.30	<0.05	<0.08	0.12	1.29	0.17	6.63	0.10	<0.05	36.75
23	BLD/PBH01/20	Powder	G470-20	2.81	<0.05	45.49	<0.05	2.90	4.14	0.25	1.70	<0.05	<0.08	0.06	1.59	0.13	5.13	0.08	<0.05	38.51
24	BLD/PBH01/20	Powder	G470-20	2.78	<0.05	45.44	<0.05	2.90	4.15	0.23	1.75	<0.05	<0.08	0.06	1.66	0.12	5.15	0.07	<0.05	38.57
25	BLD/PBH01/21	Powder	G470-21	2.73	<0.05	47.22	<0.05	2.48	3.54	0.18	1.66	<0.05	<0.08	<0.05	1.60	0.10	4.72	0.07	<0.05	38.04
26	BLD/PBH01/22	Powder	G470-22	2.72	<0.05	45.78	<0.05	2.40	3.43	0.19	1.63	<0.05	<0.08	0.06	1.92	0.11	4.84	0.07	<0.05	39.13
27	BLD/PBH01/23	Powder	G470-23	2.48	<0.05	50.05	<0.05	1.22	1.74	0.19	1.33	<0.05	<0.08	<0.05	0.95	0.11	4.13	0.07	<0.05	38.84
28	BLD/PBH01/24	Powder	G470-24	2.32	<0.05	48.82	<0.05	1.19	1.70	0.18	1.28	<0.05	<0.08	<0.05	0.92	0.11	3.96	0.07	<0.05	40.53
29	BLD/PBH01/25	Powder	G470-25	2.42	<0.05	48.05	<0.05	1.46	2.08	0.21	1.40	<0.05	<0.08	<0.05	0.98	0.12	4.45	0.09	<0.05	40.09

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
30	BLD/PBH01/26	Powder	G470-26	2.48	<0.05	47.30	<0.05	1.69	2.42	0.22	1.35	<0.05	<0.08	<0.05	1.82	0.12	4.59	0.09	<0.05	39.50
31	BLD/PBH01/27	Powder	G470-27	2.50	<0.05	48.35	<0.05	1.29	1.85	0.20	1.41	<0.05	<0.08	<0.05	0.80	0.11	4.49	0.07	<0.05	40.13
32	BLD/PBH01/28	Powder	G470-28	3.16	<0.05	45.90	<0.05	2.00	2.86	0.25	1.71	<0.05	<0.08	<0.05	1.21	0.12	6.01	0.09	<0.05	38.57
33	BLD/PBH01/29	Powder	G470-29	1.45	<0.05	50.88	<0.05	1.00	1.43	0.07	1.11	<0.05	<0.08	<0.05	0.59	<0.05	2.35	0.06	<0.05	41.92
34	BLD/PBH01/30	Powder	G470-30	1.28	<0.05	50.83	<0.05	1.05	1.50	0.07	1.11	<0.05	<0.08	<0.05	0.89	<0.05	2.08	0.06	<0.05	41.81
35	BLD/PBH01/30	Powder	G470-30	1.26	<0.05	50.78	<0.05	1.05	1.51	0.07	1.07	<0.05	<0.08	<0.05	0.91	<0.05	2.13	0.07	<0.05	41.86
36	BLD/PBH01/31	Powder	G470-31	1.84	<0.05	49.95	<0.05	1.18	1.68	0.09	1.20	<0.05	<0.08	<0.05	1.00	0.05	2.77	<0.05	<0.05	41.27
37	BLD/PBH01/32	Powder	G470-32	1.56	<0.05	50.55	<0.05	1.01	1.44	0.11	1.15	<0.05	<0.08	<0.05	0.78	0.06	2.79	0.05	<0.05	41.41
38	BLD/PBH01/33	Powder	G470-33	1.48	<0.05	51.34	<0.05	0.79	1.12	0.09	1.01	<0.05	<0.08	<0.05	0.70	<0.05	2.09	<0.05	<0.05	41.97
39	BLD/PBH01/34	Powder	G470-34	1.68	<0.05	50.83	<0.05	0.83	1.19	0.12	1.05	<0.05	<0.08	<0.05	0.69	0.06	2.47	<0.05	<0.05	41.75
40	BLD/PBH01/35	Powder	G470-35	1.87	<0.05	50.47	<0.05	0.81	1.16	0.13	1.11	<0.05	<0.08	<0.05	0.67	0.06	2.65	<0.05	<0.05	41.73
41	BLD/PBH01/36	Powder	G470-36	1.84	<0.05	50.28	<0.05	0.92	1.32	0.16	1.09	<0.05	<0.08	<0.05	0.84	0.07	2.98	0.05	<0.05	41.26
42	BLD/PBH01/37	Powder	G470-37	2.30	<0.05	48.76	<0.05	1.36	1.94	0.20	1.29	<0.05	<0.08	<0.05	1.26	0.08	3.82	0.05	<0.05	40.17
43	BLD/PBH01/38	Powder	G470-38	1.63	<0.05	50.82	<0.05	0.87	1.24	0.13	1.07	<0.05	<0.08	<0.05	0.84	0.06	2.34	0.05	<0.05	41.72
44	BLD/PBH01/39	Powder	G470-39	1.69	<0.05	50.39	<0.05	0.90	1.28	0.17	1.11	<0.05	<0.08	<0.05	0.67	0.07	2.93	0.06	<0.05	41.53
45	BLD/PBH01/40	Powder	G470-40	1.99	<0.05	49.78	<0.05	1.08	1.54	0.17	1.21	<0.05	<0.08	<0.05	0.89	0.07	3.08	0.06	<0.05	41.05
46	BLD/PBH01/40	Powder	G470-40	2.01	<0.05	49.78	<0.05	1.08	1.55	0.17	1.23	<0.05	<0.08	<0.05	0.88	0.07	3.09	0.05	<0.05	41.06
47	IPT-61	CRM	Meas.	0.06	-	-	-	-	-	-	-	-	-	-	-	-	99.76	-	-	-
48	BLD/PBH01/41	Powder	G470-41	1.40	<0.05	50.53	<0.05	1.30	1.86	0.11	1.11	<0.05	<0.08	<0.05	1.08	<0.05	2.46	0.05	<0.05	41.23
49	BLD/PBH01/42	Powder	G470-42	1.84	<0.05	50.02	<0.05	1.01	1.44	0.17	1.17	<0.05	<0.08	<0.05	0.81	0.07	3.20	0.06	<0.05	41.11
50	BLD/PBH01/43	Powder	G470-43	1.51	<0.05	51.32	<0.05	0.68	0.97	0.09	1.05	<0.05	<0.08	<0.05	0.46	<0.05	1.92	<0.05	<0.05	42.49
51	BLD/PBH01/44	Powder	G470-44	1.38	<0.05	50.97	<0.05	0.86	1.23	0.11	1.11	<0.05	<0.08	<0.05	0.57	0.05	2.40	0.06	<0.05	42.01
52	BLD/PBH01/45	Powder	G470-45	1.49	<0.05	50.70	<0.05	1.06	1.51	0.10	1.16	<0.05	<0.08	<0.05	0.70	<0.05	2.41	0.05	<0.05	41.72
53	BLD/PBH01/46	Powder	G470-46	1.39	<0.05	51.32	<0.05	0.80	1.15	0.09	1.09	<0.05	<0.08	<0.05	0.59	<0.05	2.10	0.06	<0.05	42.04
54	BLD/PBH01/47	Powder	G470-47	2.03	<0.05	49.89	<0.05	0.86	1.23	0.17	1.18	<0.05	<0.08	<0.05	0.59	0.08	3.56	0.06	<0.05	41.09
55	BLD/PBH01/48	Powder	G470-48	2.43	<0.05	48.44	<0.05	1.39	1.99	0.18	1.39	<0.05	<0.08	<0.05	0.78	0.09	4.26	0.06	<0.05	40.29
56	BLD/PBH01/49	Powder	G470-49	1.99	<0.05	49.53	<0.05	1.30	1.85	0.14	1.29	<0.05	<0.08	<0.05	0.66	0.06	3.29	<0.05	<0.05	41.01
57	BLD/PBH01/50	Powder	G470-50	2.11	<0.05	48.71	<0.05	1.49	2.14	0.19	1.37	<0.05	<0.08	<0.05	0.72	0.07	3.97	0.06	<0.05	40.54
58	BLD/PBH01/50	Powder	G470-50	2.16	<0.05	48.68	<0.05	1.49	2.13	0.19	1.38	<0.05	<0.08	<0.05	0.72	0.07	3.94	0.06	<0.05	40.54
59	BLD/PBH01/51	Powder	G470-51	2.94	<0.05	46.61	<0.05	1.94	2.77	0.30	1.54	<0.05	<0.08	<0.05	0.93	0.11	5.70	0.06	<0.05	38.92
60	BLD/PBH01/52	Powder	G470-52	2.82	<0.05	47.07	<0.05	1.80	2.57	0.24	1.51	<0.05	<0.08	<0.05	0.95	0.09	5.01	0.07	<0.05	39.55
61	BLD/PBH01/53	Powder	G470-53	2.88	<0.05	46.13	<0.05	2.44	3.48	0.26	1.65	<0.05	<0.08	<0.05	1.25	0.11	5.86	0.07	<0.05	38.18
62	BLD/PBH01/54	Powder	G470-54	3.13	<0.05	44.96	<0.05	2.59	3.70	0.31	1.60	<0.05	<0.08	<0.05	1.66	0.13	6.61	0.07	<0.05	37.69
63	BLD/PBH01/55	Powder	G470-55	3.13	<0.05	46.23	<0.05	2.00	2.86	0.29	1.46	<0.05	<0.08	<0.05	1.15	0.14	5.94	0.08	<0.05	38.61
64	BLD/PBH01/56	Powder	G470-56	3.62	<0.05	45.05	<0.05	2.48	3.54	0.33	1.49	<0.05	<0.08	<0.05	1.52	0.16	6.60	0.07	<0.05	37.45
65	BLD/PBH01/57	Powder	G470-57	4.12	<0.05	43.48	<0.05	3.31	4.73	0.44	1.44	<0.05	<0.08	<0.05	1.70	0.21	7.41	0.06	<0.05	36.27
66	BLD/PBH01/58	Powder	G470-58	2.88	<0.05	46.88	<0.05	2.31	3.30	0.26	1.18	<0.05	<0.08	<0.05	1.47	0.14	4.94	0.07	<0.05	38.75
67	BLD/PBH01/59	Powder	G470-59	3.62	<0.05	44.96	<0.05	2.37	3.38	0.30	1.33	<0.05	<0.08	<0.05	1.53	0.17	6.66	0.07	<0.05	37.84
68	BLD/PBH01/60	Powder	G470-60	3.73	<0.05	44.34	<0.05	2.70	3.86	0.27	1.51	<0.05	<0.08	<0.05	1.44	0.16	6.95	0.07	<0.05	37.52
69	BLD/PBH01/60	Powder	G470-60	3.46	<0.05	44.38	<0.05	2.72	3.89	0.28	1.48	<0.05	<0.08	<0.05	1.46	0.17	6.99	0.08	<0.05	37.54
70	BLD/PBH01/61	Powder	G470-61	4.75	<0.05	40.86	<0.05	3.23	4.62	0.42	1.55	<0.05	<0.08	<0.05	2.11	0.31	10.59	<0.05	<0.05	34.58
71	BLD/PBH01/62	Powder	G470-62	11.02	<0.05	24.59	<0.05	3.80	5.44	1.26	1.49	<0.05	<0.08	0.06	3.06	1.02	27.90	<0.05	<0.05	23.94

Prepared by: Naveen

Verified by: Satyanarayana

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103	
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI	
72	BLD/PBH01/63	Powder	G470-63	7.72	<0.05	30.57	<0.05	3.34	4.77	0.94	1.13	<0.05	<0.08	<0.05	2.66	0.92	24.16	<0.05	<0.05	26.92	
73	BLD/PBH01/64	Powder	G470-64	10.52	<0.05	30.51	<0.05	3.31	4.73	1.03	1.31	<0.05	<0.08	<0.05	2.54	0.75	20.44	<0.05	<0.05	27.99	
74	BLD/PBH01/65	Powder	G470-65	5.72	<0.05	33.27	<0.05	3.46	4.94	0.74	1.19	<0.05	<0.08	<0.05	2.12	0.67	22.25	<0.05	<0.05	28.82	
75	BLD/PBH01/66	Powder	G470-66	6.14	<0.05	13.99	<0.05	4.09	5.84	1.16	0.92	<0.05	<0.08	<0.05	2.57	1.10	54.00	<0.05	<0.05	13.91	
76	BLD/PBH01/67	Powder	G470-67	10.10	<0.05	16.03	<0.05	4.43	6.34	1.53	1.16	<0.05	<0.08	<0.05	2.73	1.08	43.62	<0.05	<0.05	17.15	
77	BLD/PBH01/68	Powder	G470-68	15.01	<0.05	7.96	<0.05	5.12	7.31	1.74	1.35	<0.05	<0.08	0.05	2.99	1.39	48.89	<0.05	<0.05	13.02	
78	BLD/PBH01/69	Powder	G470-69	11.96	<0.05	14.12	<0.05	5.45	7.80	1.65	1.32	<0.05	<0.08	0.11	2.99	1.20	42.02	<0.05	<0.05	16.59	
79	BLD/PBH01/70	Powder	G470-70	11.59	<0.05	16.01	<0.05	4.92	7.04	1.53	1.19	<0.05	<0.08	0.07	3.33	1.15	40.24	<0.05	<0.05	17.61	
80	BLD/PBH01/70	Powder	G470-70	11.55	<0.05	16.00	<0.05	4.96	7.09	1.52	1.21	<0.05	<0.08	0.07	3.35	1.16	40.26	<0.05	<0.05	17.65	
81	BLD/PBH01/71	Powder	G470-71	4.36	<0.05	5.21	<0.05	1.84	2.63	0.63	0.34	<0.05	<0.08	<0.05	1.55	0.70	78.26	<0.05	<0.05	6.07	
82	BLD/PBH01/72	Powder	G470-72	4.83	<0.05	17.90	<0.05	2.33	3.34	0.64	0.57	<0.05	<0.08	<0.05	1.63	0.97	53.76	<0.05	<0.05	15.99	
83	BLD/PBH01/73	Powder	G470-73	9.32	<0.05	15.32	<0.05	4.13	5.91	1.31	0.91	<0.05	<0.08	0.06	3.36	1.08	46.77	<0.05	<0.05	15.70	
84	BLD/PBH01/74	Powder	G470-74	9.83	<0.05	16.07	<0.05	3.73	5.33	1.29	0.88	<0.05	<0.08	<0.05	2.57	1.02	46.20	<0.05	<0.05	16.53	
85	BLD/PBH01/75	Powder	G470-75	11.48	<0.05	4.12	<0.05	4.14	5.92	2.06	1.00	<0.05	<0.08	<0.05	2.53	1.72	62.84	<0.05	<0.05	7.94	
86	BLD/PBH01/76	Powder	G470-76	9.16	<0.05	4.73	<0.05	3.36	4.81	1.66	0.73	<0.05	<0.08	<0.05	3.06	1.58	66.31	<0.05	<0.05	7.58	
87	BLD/PBH01/77	Powder	G470-77	5.69	<0.05	35.77	<0.05	4.39	6.28	0.69	1.29	0.09	<0.08	0.09	2.50	0.49	15.83	<0.05	<0.05	31.10	
88	BLD/PBH01/78	Powder	G470-78	6.02	<0.05	39.56	<0.05	2.50	3.57	0.56	0.83	0.11	<0.08	0.07	3.14	0.36	11.70	<0.05	<0.05	33.92	
89	BLD/PBH01/79	Powder	G470-79	4.68	<0.05	37.88	<0.05	5.66	8.09	0.40	0.68	0.12	<0.08	<0.05	8.30	0.26	12.96	<0.05	<0.05	26.47	
90	BLD/PBH01/80	Powder	G470-80	0.66	<0.05	0.34	<0.05	3.77	5.39	0.10	<0.05	<0.05	<0.08	<0.05	7.63	0.17	82.82	<0.05	<0.05	2.63	
91	BLD/PBH01/80	Powder	G470-80	0.69	<0.05	0.34	<0.05	3.77	5.39	0.10	<0.05	<0.05	<0.08	<0.05	7.61	0.17	82.79	<0.05	<0.05	2.64	
92	BLD/PBH01/81	Powder	G470-81	15.32	<0.05	0.57	<0.05	5.44	7.78	1.28	0.49	<0.05	<0.08	<0.05	2.84	0.98	56.73	<0.05	<0.05	13.77	
93	BLD/PBH01/82	Powder	G470-82	8.89	<0.05	7.51	<0.05	2.59	3.70	0.87	0.42	<0.05	<0.08	<0.05	4.88	0.78	62.65	<0.05	<0.05	9.91	
94	BLD/PBH01/83	Powder	G470-83	20.20	<0.05	2.22	<0.05	4.79	6.85	2.21	0.99	<0.05	<0.08	<0.05	6.39	1.21	47.28	<0.05	<0.05	12.40	
95	BLD/PBH01/84	Powder	G470-84	19.74	<0.05	1.17	<0.05	5.01	7.16	2.09	0.96	<0.05	<0.08	0.05	5.55	1.30	48.28	<0.05	<0.05	13.50	
96	IPT-44	CRM	Meas.	0.36	-	50.56	-	0.24	0.34	0.12	2.94	-	-	-	-	-	2.61	-	-	42.89	

**Abbreviations:**

SOP/OM/105: Borate Fusion Bead followed by WDXRF Finish

SOP/OM/103: Loss On Ignition followed by Gravimetry Finish

LOQ--Limit of Quantification

IPT-61: Certified Reference Material Standard

IPT-44: Certified Reference Material Standard

Certi. -- Certified

Meas. -- Measured

Accuracy, Precision, Matrix Method and instrument dependent.



SATYANARAYANA - MANAGER - ORES & MINERALS - AUTHORIZED SIGNATORY.

**\*\* END OF THE REPORT \*\***

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission. 5. In case any reconfirmation of contents of this test certificate is required, please contact our office. 6. Sampling is not done by us unless otherwise specified. 7. Any discrepancy in the Test Certificate should be notified within 30 days.

Customer Name	Maheshwari Mining Pvt Limited -Assam Umrangso-788931
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Discipline & Group      Chemical & Ores and Minerals.  
Customer Ref.            MMPL/SHIVA/2024/WO-02  
Commodity                Geological Rock Powders  
Lab ID                      G508  
Sample Receipt Date    10-Feb-25  
Analysis Completion Date 20-Feb-25  
Date of Reporting        20-Feb-25  
Sample Count            96

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
1	IPT-44	CRM	Cert.	0.33	N.A	50.55	N.A	0.21	0.30	0.12	2.93	N.A	N.A	N.A	0.43	N.A	2.69	N.A	N.A	42.90
2	BLD/PBH02/01	Powder	G508-1	13.07	<0.05	19.67	<0.05	7.22	10.32	1.75	2.50	0.27	<0.08	0.20	1.06	0.73	30.28	<0.05	<0.05	20.13
3	BLD/PBH02/02	Powder	G508-2	4.92	<0.05	35.33	<0.05	8.54	12.20	0.47	2.78	0.63	<0.08	0.19	0.32	0.23	11.10	<0.05	<0.05	31.81
4	BLD/PBH02/03	Powder	G508-3	4.72	<0.05	34.43	<0.05	10.99	15.71	0.42	3.08	0.61	<0.08	0.55	0.53	0.22	8.77	<0.05	<0.05	30.94
5	BLD/PBH02/04	Powder	G508-4	3.81	<0.05	37.99	<0.05	8.79	12.56	0.28	2.75	1.22	<0.08	0.26	2.09	0.16	6.66	<0.05	<0.05	32.20
6	BLD/PBH02/05	Powder	G508-5	2.69	<0.05	41.05	<0.05	7.58	10.84	0.16	2.68	1.24	<0.08	0.21	1.63	0.11	4.75	<0.05	<0.05	34.62
7	BLD/PBH02/06	Powder	G508-6	2.91	<0.05	40.76	<0.05	7.47	10.68	0.14	3.01	1.31	<0.08	0.24	0.58	0.10	4.04	<0.05	<0.05	36.21
8	BLD/PBH02/07	Powder	G508-7	3.26	<0.05	38.47	<0.05	9.95	14.23	0.13	2.96	1.18	<0.08	0.34	1.20	0.12	4.44	<0.05	<0.05	33.63
9	BLD/PBH02/08	Powder	G508-8	4.54	<0.05	36.04	<0.05	9.32	13.33	0.32	3.50	1.21	<0.08	0.35	0.68	0.19	7.10	<0.05	<0.05	32.72
10	BLD/PBH02/09	Powder	G508-9	3.03	<0.05	40.43	<0.05	6.99	10.00	0.21	2.85	0.90	<0.08	0.17	1.47	0.12	6.47	<0.05	<0.05	34.33
11	BLD/PBH02/10	Powder	G508-10	4.26	<0.05	38.34	<0.05	7.93	11.34	0.26	2.80	0.60	<0.08	0.20	3.59	0.15	6.42	<0.05	<0.05	32.01
12	BLD/PBH02/10	Powder	G508-10	4.24	<0.05	38.36	<0.05	7.96	11.38	0.24	2.75	0.59	<0.08	0.24	3.55	0.14	6.39	<0.05	<0.05	32.08
13	BLD/PBH02/11	Powder	G508-11	2.73	<0.05	45.18	<0.05	4.18	5.98	0.17	1.91	0.47	<0.08	0.13	2.14	0.10	4.20	<0.05	<0.05	36.96
14	BLD/PBH02/12	Powder	G508-12	2.98	<0.05	44.92	<0.05	3.35	4.79	0.19	1.78	0.38	<0.08	0.08	2.63	0.11	4.83	<0.05	<0.05	37.30
15	BLD/PBH02/13	Powder	G508-13	2.12	<0.05	47.08	<0.05	2.49	3.56	0.17	1.49	0.33	<0.08	0.09	3.06	0.09	3.90	<0.05	<0.05	38.08
16	BLD/PBH02/14	Powder	G508-14	2.27	<0.05	47.78	<0.05	2.24	3.21	0.12	1.56	0.31	<0.08	0.07	2.57	0.08	3.53	<0.05	<0.05	38.49
17	BLD/PBH02/15	Powder	G508-15	3.30	<0.05	43.86	<0.05	3.69	5.28	0.19	2.16	0.31	<0.08	0.09	3.13	0.11	5.66	<0.05	<0.05	35.89
18	BLD/PBH02/16	Powder	G508-16	2.96	<0.05	44.90	<0.05	3.56	5.10	0.13	2.06	0.32	<0.08	0.11	2.37	0.10	4.85	<0.05	<0.05	37.08
19	BLD/PBH02/17	Powder	G508-17	2.78	<0.05	43.92	<0.05	4.29	6.13	0.15	2.18	0.35	<0.08	0.13	2.32	0.09	5.43	<0.05	<0.05	36.47
20	BLD/PBH02/18	Powder	G508-18	2.03	<0.05	46.45	<0.05	4.51	6.45	0.09	1.79	0.40	<0.08	0.17	1.32	0.06	3.35	<0.05	<0.05	37.86
21	BLD/PBH02/19	Powder	G508-19	2.70	<0.05	44.04	<0.05	5.68	8.13	0.16	1.92	0.27	<0.08	0.20	1.86	0.10	4.70	<0.05	<0.05	35.90
22	BLD/PBH02/20	Powder	G508-20	3.20	<0.05	39.66	<0.05	10.35	14.80	0.19	2.11	0.17	<0.08	0.36	1.68	0.13	4.98	<0.05	<0.05	32.70
23	BLD/PBH02/20	Powder	G508-20	3.16	<0.05	39.69	<0.05	10.36	14.81	0.18	2.14	0.18	<0.08	0.35	1.66	0.14	4.96	<0.05	<0.05	32.71
24	BLD/PBH02/21	Powder	G508-21	4.76	<0.05	34.67	0.08	12.98	18.56	0.28	2.64	0.16	<0.08	0.37	1.26	0.18	6.98	<0.05	<0.05	30.06
25	BLD/PBH02/22	Powder	G508-22	4.18	<0.05	37.64	<0.05	10.67	15.25	0.26	2.35	0.15	<0.08	0.34	1.68	0.16	6.15	<0.05	<0.05	31.81
26	BLD/PBH02/23	Powder	G508-23	2.99	<0.05	42.37	<0.05	8.09	11.57	0.18	1.90	0.11	<0.08	0.32	1.29	0.11	4.18	<0.05	<0.05	34.95
27	BLD/PBH02/24	Powder	G508-24	2.28	<0.05	48.38	<0.05	2.00	2.86	0.18	1.41	0.12	<0.08	0.08	1.29	0.11	3.96	<0.05	<0.05	39.32
28	BLD/PBH02/25	Powder	G508-25	3.72	<0.05	43.29	<0.05	4.30	6.15	0.36	1.85	0.10	<0.08	0.16	1.64	0.18	6.63	<0.05	<0.05	35.91
29	BLD/PBH02/26	Powder	G508-26	4.65	<0.05	40.48	<0.05	5.60	8.01	0.44	2.26	0.10	<0.08	0.25	1.21	0.22	7.87	<0.05	<0.05	34.50
30	BLD/PBH02/27	Powder	G508-27	6.11	<0.05	34.81	<0.05	6.73	9.62	0.63	3.43	0.06	<0.08	0.35	1.02	0.30	11.78	<0.05	<0.05	31.86
31	BLD/PBH02/28	Powder	G508-28	5.40	<0.05	37.72	<0.05	6.20	8.86	0.53	2.53	0.06	<0.08	0.31	0.83	0.25	10.76	<0.05	<0.05	32.73
32	BLD/PBH02/29	Powder	G508-29	22.28	<0.05	0.63	<0.05	8.42	12.05	3.03	3.35	<0.05	0.46	0.58	0.94	1.03	47.45	<0.05	<0.05	8.17
33	BLD/PBH02/30	Powder	G508-30	22.24	<0.05	0.98	<0.05	8.46	12.09	2.95	3.37	<0.05	0.37	0.43	1.28	1.04	47.10	<0.05	<0.05	8.12

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
34	BLD/PBH02/30	Powder	G508-30	22.23	<0.05	0.96	<0.05	8.47	12.11	2.93	3.39	<0.05	0.36	0.40	1.32	1.02	47.08	<0.05	<0.05	8.14
35	BLD/PBH02/31	Powder	G508-31	21.68	<0.05	0.51	<0.05	9.02	12.90	2.81	3.45	<0.05	0.30	0.12	1.74	1.02	46.92	<0.05	<0.05	8.54
36	BLD/PBH02/32	Powder	G508-32	11.19	<0.05	24.50	<0.05	7.22	10.32	1.36	2.87	<0.05	<0.08	0.19	0.52	24.33	<0.05	<0.05	23.71	
37	BLD/PBH02/33	Powder	G508-33	4.66	<0.05	40.59	<0.05	3.98	5.68	0.49	2.35	0.06	<0.08	0.14	1.00	0.21	10.15	<0.05	<0.05	34.64
38	BLD/PBH02/34	Powder	G508-34	4.86	<0.05	41.15	<0.05	2.79	4.00	0.53	2.53	<0.05	<0.08	0.09	0.81	0.21	10.69	<0.05	<0.05	35.06
39	BLD/PBH02/35	Powder	G508-35	3.98	<0.05	42.67	<0.05	2.29	3.28	0.37	2.95	<0.05	<0.08	0.07	1.13	0.15	8.95	<0.05	<0.05	36.40
40	BLD/PBH02/36	Powder	G508-36	2.59	<0.05	46.87	<0.05	1.76	2.52	0.23	2.50	<0.05	<0.08	0.05	0.81	0.10	5.65	<0.05	<0.05	38.61
41	BLD/PBH02/37	Powder	G508-37	2.61	<0.05	45.26	<0.05	2.12	3.04	0.21	3.08	0.11	<0.08	0.07	1.32	0.09	5.20	<0.05	<0.05	38.99
42	BLD/PBH02/38	Powder	G508-38	2.99	<0.05	45.14	<0.05	2.52	3.60	0.25	2.39	0.20	<0.08	0.07	1.78	0.10	5.71	<0.05	<0.05	37.73
43	BLD/PBH02/39	Powder	G508-39	2.26	<0.05	46.60	<0.05	2.49	3.56	0.16	2.21	0.30	<0.08	0.08	2.02	0.08	4.26	<0.05	<0.05	38.45
44	BLD/PBH02/40	Powder	G508-40	2.76	<0.05	45.19	<0.05	3.02	4.32	0.20	2.76	0.29	<0.08	0.10	1.68	0.09	4.61	<0.05	<0.05	37.99
45	BLD/PBH02/40	Powder	G508-40	2.77	<0.05	45.17	<0.05	3.01	4.30	0.23	2.77	0.27	<0.08	0.09	1.65	0.10	4.65	<0.05	<0.05	37.96
46	BLD/PBH02/41	Powder	G508-41	1.76	<0.05	49.38	<0.05	1.52	2.17	0.13	1.57	0.22	<0.08	0.06	1.31	0.07	3.19	<0.05	<0.05	40.12
47	BLD/PBH02/42	Powder	G508-42	1.81	<0.05	48.63	<0.05	1.71	2.44	0.15	1.67	0.20	<0.08	0.06	1.59	0.08	3.67	<0.05	<0.05	39.69
48	BLD/PBH02/43	Powder	G508-43	2.12	<0.05	48.19	<0.05	1.73	2.48	0.14	1.80	0.15	<0.08	0.06	1.66	0.08	3.63	<0.05	<0.05	39.68
49	BLD/PBH02/44	Powder	G508-44	3.22	<0.05	43.62	<0.05	3.24	4.63	0.31	2.99	0.12	<0.08	0.15	0.74	0.16	6.24	<0.05	<0.05	37.78
50	BLD/PBH02/45	Powder	G508-45	3.71	<0.05	42.36	<0.05	4.21	6.03	0.35	2.91	0.17	<0.08	0.14	0.75	0.17	7.05	<0.05	<0.05	36.36
51	BLD/PBH02/46	Powder	G508-46	3.42	<0.05	42.46	<0.05	4.23	6.05	0.32	3.43	0.06	<0.08	0.30	0.67	0.15	5.98	<0.05	<0.05	37.14
52	BLD/PBH02/47	Powder	G508-47	3.89	<0.05	42.30	<0.05	4.00	5.71	0.36	2.85	<0.05	<0.08	0.24	0.70	0.18	7.03	<0.05	<0.05	36.72
53	BLD/PBH02/48	Powder	G508-48	4.60	<0.05	40.07	<0.05	2.35	3.35	0.50	4.00	<0.05	<0.08	0.08	0.50	0.22	9.74	<0.05	<0.05	36.90
54	BLD/PBH02/49	Powder	G508-49	5.01	<0.05	38.36	<0.05	3.97	5.68	0.53	3.83	<0.05	<0.08	0.16	0.61	0.24	10.27	<0.05	<0.05	35.28
55	BLD/PBH02/50	Powder	G508-50	4.73	<0.05	40.36	<0.05	4.59	6.56	0.44	2.82	<0.05	<0.08	0.20	0.60	0.22	8.90	<0.05	<0.05	35.16
56	BLD/PBH02/50	Powder	G508-50	4.75	<0.05	40.31	<0.05	4.57	6.53	0.43	2.85	<0.05	<0.08	0.16	0.58	0.20	8.98	<0.05	<0.05	35.18
57	BLD/PBH02/51	Powder	G508-51	3.14	<0.05	44.85	<0.05	1.71	2.45	0.29	2.89	<0.05	<0.08	0.09	0.82	0.14	6.45	<0.05	<0.05	38.85
58	BLD/PBH02/52	Powder	G508-52	5.56	<0.05	38.92	<0.05	3.63	5.19	0.52	3.32	<0.05	<0.08	0.15	0.87	0.26	10.45	<0.05	<0.05	34.76
59	BLD/PBH02/53	Powder	G508-53	3.06	<0.05	45.68	<0.05	1.91	2.73	0.27	2.29	<0.05	<0.08	0.12	1.09	0.13	5.52	<0.05	<0.05	39.09
60	BLD/PBH02/54	Powder	G508-54	3.50	<0.05	44.60	<0.05	3.15	4.50	0.26	2.15	<0.05	<0.08	0.15	1.41	0.13	5.72	<0.05	<0.05	37.56
61	BLD/PBH02/55	Powder	G508-55	2.60	<0.05	47.01	<0.05	2.10	3.00	0.19	1.96	<0.05	<0.08	0.10	1.43	0.09	4.85	<0.05	<0.05	38.76
62	BLD/PBH02/56	Powder	G508-56	3.28	<0.05	45.74	<0.05	2.18	3.11	0.22	1.89	<0.05	<0.08	0.10	1.81	0.11	5.64	<0.05	<0.05	38.07
63	BLD/PBH02/57	Powder	G508-57	2.47	<0.05	47.89	<0.05	1.72	2.47	0.17	1.68	<0.05	<0.08	0.12	1.72	0.09	4.37	<0.05	<0.05	38.99
64	BLD/PBH02/58	Powder	G508-58	2.78	<0.05	48.00	<0.05	1.03	1.47	0.23	1.53	<0.05	<0.08	<0.05	0.93	0.12	5.00	<0.05	<0.05	39.87
65	BLD/PBH02/59	Powder	G508-59	3.16	<0.05	46.89	<0.05	1.49	2.13	0.24	1.72	<0.05	<0.08	0.06	1.22	0.13	5.46	<0.05	<0.05	38.96
66	BLD/PBH02/60	Powder	G508-60	3.44	<0.05	46.40	<0.05	1.36	1.95	0.29	1.67	<0.05	<0.08	<0.05	1.32	0.15	6.07	<0.05	<0.05	38.65
67	BLD/PBH02/60	Powder	G508-60	3.42	<0.05	46.38	<0.05	1.38	1.97	0.25	1.69	<0.05	<0.08	<0.05	1.35	0.14	6.09	<0.05	<0.05	38.64
68	BLD/PBH02/61	Powder	G508-61	2.94	<0.05	48.09	<0.05	1.16	1.66	0.19	1.62	<0.05	<0.08	<0.05	1.01	0.11	4.84	<0.05	<0.05	39.48
69	BLD/PBH02/62	Powder	G508-62	1.72	<0.05	50.26	<0.05	1.09	1.55	0.10	1.57	<0.05	<0.08	0.06	0.79	0.06	3.13	<0.05	<0.05	40.72
70	BLD/PBH02/63	Powder	G508-63	1.17	<0.05	52.02	<0.05	0.78	1.12	<0.05	1.23	<0.05	<0.08	<0.05	0.50	<0.05	1.84	<0.05	<0.05	41.96
71	BLD/PBH02/64	Powder	G508-64	0.93	<0.05	52.60	<0.05	0.65	0.93	<0.05	1.14	<0.05	<0.08	0.05	0.73	<0.05	1.49	<0.05	<0.05	42.02
72	BLD/PBH02/65	Powder	G508-65	1.46	<0.05	51.92	<0.05	0.62	0.88	0.07	1.15	<0.05	<0.08	<0.05	0.65	<0.05	1.86	<0.05	<0.05	41.89
73	BLD/PBH02/66	Powder	G508-66	1.11	<0.05	52.25	<0.05	0.56	0.80	0.09	1.09	<0.05	<0.08	0.05	0.67	<0.05	2.04	<0.05	<0.05	41.83
74	BLD/PBH02/67	Powder	G508-67	1.40	<0.05	52.00	<0.05	0.60	0.86	0.09	1.10	<0.05	<0.08	0.06	0.69	<0.05	1.98	<0.05	<0.05	41.74
75	BLD/PBH02/68	Powder	G508-68	1.91	<0.05	50.59	<0.05	0.80	1.14	0.14	1.29	<0.05	<0.08	<0.05	0.81	0.07	2.94	<0.05	<0.05	41.04
76	BLD/PBH02/69	Powder	G508-69	2.00	<0.05	50.48	0.06	0.72	1.03	0.15	1.24	<0.05	<0.08	<0.05	0.66	0.06	3.01	<0.05	<0.05	41.25
77	BLD/PBH02/70	Powder	G508-70	2.35	<0.05	49.39	<0.05	0.94	1.35	0.19	1.34	<0.05	<0.08	0.05	0.98	0.08	3.75	<0.05	<0.05	40.50
78	BLD/PBH02/70	Powder	G508-70	2.32	<0.05	49.43	<0.05	0.94	1.34	0.18	1.33	<0.05	<0.08	0.06	0.96	0.08	3.72	<0.05	<0.05	40.54
79	BLD/PBH02/71	Powder	G508-71	1.86	<0.05	50.47	<0.05	0.87	1.24	0.14	1.36	<0.05	<0.08	0.06	0.85	0.06	2.88	<0.05	<0.05	41.04

Prepared by: Naveen

Verified by: Satyanarayana



S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
80	BLD/PBH02/72	Powder	G508-72	1.54	<0.05	51.37	<0.05	0.65	0.94	0.13	1.24	<0.05	<0.08	<0.05	0.57	0.05	2.45	<0.05	<0.05	41.64
81	BLD/PBH02/73	Powder	G508-73	2.07	<0.05	50.01	<0.05	0.93	1.33	0.16	1.38	<0.05	<0.08	<0.05	0.80	0.06	3.27	<0.05	<0.05	40.84
82	BLD/PBH02/74	Powder	G508-74	1.60	<0.05	50.85	<0.05	1.04	1.48	0.10	1.33	<0.05	<0.08	0.05	1.02	<0.05	2.36	<0.05	<0.05	41.13
83	BLD/PBH02/75	Powder	G508-75	1.74	<0.05	50.36	<0.05	1.07	1.53	0.14	1.36	<0.05	<0.08	0.06	1.04	0.06	2.92	<0.05	<0.05	40.78
84	BLD/PBH02/76	Powder	G508-76	1.28	<0.05	51.97	<0.05	0.66	0.94	0.11	1.19	<0.05	<0.08	<0.05	0.59	<0.05	2.35	<0.05	<0.05	41.47
85	BLD/PBH02/77	Powder	G508-77	1.10	<0.05	52.19	<0.05	0.64	0.91	0.09	1.19	<0.05	<0.08	<0.05	0.51	<0.05	1.96	<0.05	<0.05	41.94
86	BLD/PBH02/78	Powder	G508-78	1.43	<0.05	51.07	<0.05	0.88	1.27	0.11	1.34	<0.05	<0.08	<0.05	0.72	0.05	2.76	<0.05	<0.05	41.17
87	BLD/PBH02/79	Powder	G508-79	1.45	<0.05	51.60	<0.05	0.60	0.85	0.11	1.21	<0.05	<0.08	<0.05	0.54	<0.05	2.36	<0.05	<0.05	41.77
88	BLD/PBH02/80	Powder	G508-80	1.87	<0.05	50.88	<0.05	0.55	0.79	0.14	1.23	<0.05	<0.08	<0.05	0.48	0.06	2.94	<0.05	<0.05	41.54
89	BLD/PBH02/80	Powder	G508-80	1.89	<0.05	50.90	<0.05	0.56	0.80	0.14	1.25	<0.05	<0.08	<0.05	0.44	0.07	2.93	<0.05	<0.05	41.52
90	BLD/PBH02/81	Powder	G508-81	2.23	<0.05	49.64	<0.05	0.94	1.35	0.17	1.45	<0.05	<0.08	<0.05	0.66	0.08	3.95	<0.05	<0.05	40.43
91	BLD/PBH02/82	Powder	G508-82	2.03	<0.05	50.04	<0.05	1.03	1.47	0.15	1.48	<0.05	<0.08	<0.05	0.67	0.06	3.54	<0.05	<0.05	40.48
92	BLD/PBH02/83	Powder	G508-83	2.16	<0.05	49.60	<0.05	1.20	1.72	0.17	1.54	<0.05	<0.08	<0.05	0.68	0.06	3.92	<0.05	<0.05	40.07
93	BLD/PBH02/84	Powder	G508-84	2.50	<0.05	48.57	<0.05	1.31	1.88	0.23	1.59	<0.05	<0.08	<0.05	0.81	0.08	4.67	<0.05	<0.05	39.60
94	BLD/PBH02/85	Powder	G508-85	2.70	<0.05	47.90	<0.05	1.44	2.06	0.20	1.62	<0.05	<0.08	<0.05	1.04	0.08	4.52	<0.05	<0.05	39.81
95	BLD/PBH02/86	Powder	G508-86	2.60	<0.05	47.31	<0.05	1.77	2.53	0.21	1.69	<0.05	<0.08	0.07	1.28	0.10	5.01	<0.05	<0.05	39.18
96	BLD/PBH02/87	Powder	G508-87	2.69	<0.05	47.28	<0.05	1.67	2.39	0.25	1.64	<0.05	<0.08	0.07	1.02	0.11	5.56	<0.05	<0.05	38.98
97	BLD/PBH02/88	Powder	G508-88	3.51	<0.05	45.68	<0.05	1.70	2.43	0.32	1.67	<0.05	<0.08	0.05	1.04	0.15	6.80	<0.05	<0.05	38.34
98	BLD/PBH02/89	Powder	G508-89	3.21	<0.05	46.19	<0.05	2.12	3.03	0.27	1.55	<0.05	<0.08	0.07	1.36	0.13	5.57	<0.05	<0.05	38.59
99	BLD/PBH02/90	Powder	G508-90	3.35	<0.05	45.73	<0.05	2.69	3.84	0.30	1.49	<0.05	<0.08	0.08	1.35	0.15	5.62	<0.05	<0.05	38.07
100	BLD/PBH02/90	Powder	G508-90	3.34	<0.05	45.71	<0.05	2.69	3.85	0.28	1.50	<0.05	<0.08	0.08	1.33	0.16	5.64	<0.05	<0.05	38.08
101	BLD/PBH02/91	Powder	G508-91	3.78	<0.05	45.11	<0.05	2.31	3.31	0.33	1.45	<0.05	<0.08	0.07	1.61	0.17	6.51	<0.05	<0.05	37.65
102	BLD/PBH02/92	Powder	G508-92	3.35	<0.05	45.99	<0.05	1.86	2.65	0.26	1.48	<0.05	<0.08	<0.05	1.30	0.14	6.13	<0.05	<0.05	38.63
103	BLD/PBH02/93	Powder	G508-93	3.62	<0.05	44.86	<0.05	2.32	3.31	0.26	1.70	<0.05	<0.08	0.08	1.35	0.15	7.14	<0.05	<0.05	37.48
104	BLD/PBH02/94	Powder	G508-94	10.49	<0.05	25.79	<0.05	3.54	5.07	1.12	1.68	<0.05	<0.08	0.05	2.68	0.96	26.61	<0.05	<0.05	25.53
105	BLD/PBH02/95	Powder	G508-95	13.12	<0.05	21.55	<0.05	3.85	5.50	1.33	1.65	<0.05	<0.08	<0.05	2.80	1.12	30.44	<0.05	<0.05	22.44
106	BLD/PBH02/96	Powder	G508-96	5.27	<0.05	42.27	<0.05	1.75	2.50	0.47	1.24	<0.05	<0.08	0.08	1.12	0.34	10.53	<0.05	<0.05	36.16
107	IPT-44	CRM	Meas.	0.36	-	50.60	-	0.23	0.33	0.11	3.00	-	-	-	0.42	-	2.67	-	-	42.87

**Abbreviations:**

SOP/OM/105: Borate Fusion Bead followed by WDXRF Finish

SOP/OM/103: Loss On Ignition followed by Gravimetry Finish

Certi. -- Certified

Meas. -- Measured

LOQ--Limit of Quantification

IPT-44: Certified Reference Material Standard



SATYANARAYANA - MANAGER - ORES & MINERALS - AUTHORIZED SIGNATORY.

\*\* END OF THE REPORT \*\*

1. The results listed above pertain only to the tested samples and applicable parameters.2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.5. In case any reconfirmation of contents of this test certificate is required,please contact our office.6. Sampling is not done by us unless otherwise specified.7. Any discrepancy in the Test Certificate should be notified within 30 days.



Customer Name	Maheshwari Mining Pvt Limited -Assam Umrangso-788931
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Discipline & Group Chemical & Ores and Minerals.  
Customer Ref. MMPL/SHIVA/2024/WO-02 (PBH-03)  
Commodity Geological Rock Powders  
Lab ID G469  
Sample Receipt Date 05-Feb-25  
Analysis Completion Date 10-Feb-25  
Date of Reporting 11-Feb-25  
Sample Count 86

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
1	IPT-61	CRM	Cert.	0.05	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
2	IPT-44	CRM	Cert.	0.33	N.A	50.55	N.A	0.21	0.30	0.12	2.93	N.A	N.A	N.A	N.A	N.A	2.69	N.A	N.A	42.90
3	BLD/PBH03/01	Powder	G469-1	18.34	<0.05	2.22	<0.05	7.85	11.23	2.68	2.27	0.06	<0.08	0.44	2.13	1.09	48.33	<0.05	<0.05	11.01
4	BLD/PBH03/02	Powder	G469-2	20.13	<0.05	1.51	<0.05	6.79	9.70	3.01	2.37	<0.05	<0.08	0.14	1.42	1.17	50.81	<0.05	<0.05	9.52
5	BLD/PBH03/03	Powder	G469-3	3.99	<0.05	36.05	<0.05	9.43	13.48	0.39	2.26	0.67	<0.08	0.22	0.38	0.20	8.52	0.10	<0.05	33.61
6	BLD/PBH03/04	Powder	G469-4	5.02	<0.05	31.65	<0.05	11.16	15.96	0.53	2.54	1.47	<0.08	0.21	2.61	0.24	10.18	0.07	<0.05	29.33
7	BLD/PBH03/05	Powder	G469-5	2.25	<0.05	40.32	<0.05	8.40	12.02	0.11	2.27	1.38	<0.08	0.17	1.63	0.08	3.55	0.09	<0.05	35.97
8	BLD/PBH03/06	Powder	G469-6	2.18	<0.05	40.91	<0.05	7.61	10.88	0.09	2.62	1.48	<0.08	0.09	1.41	0.07	3.10	0.10	<0.05	36.88
9	BLD/PBH03/07	Powder	G469-7	3.21	<0.05	36.13	<0.05	11.70	16.73	0.14	2.52	1.22	<0.08	0.16	1.09	0.11	4.79	0.08	<0.05	33.61
10	BLD/PBH03/08	Powder	G469-8	4.38	<0.05	33.85	<0.05	11.23	16.06	0.31	2.98	1.21	<0.08	0.17	0.85	0.17	7.11	0.08	0.05	32.64
11	BLD/PBH03/09	Powder	G469-9	2.86	<0.05	39.56	<0.05	7.33	10.48	0.18	2.40	0.91	<0.08	0.11	1.39	0.11	6.66	0.08	<0.05	35.12
12	BLD/PBH03/10	Powder	G469-10	3.59	<0.05	37.85	<0.05	8.32	11.90	0.27	2.35	0.63	<0.08	0.23	3.30	0.15	6.14	0.08	<0.05	33.28
13	BLD/PBH03/10	Powder	G469-10	3.69	<0.05	37.80	<0.05	8.30	11.87	0.27	2.33	0.62	<0.08	0.23	3.35	0.15	6.11	0.08	<0.05	33.36
14	BLD/PBH03/11	Powder	G469-11	2.98	<0.05	42.60	<0.05	5.43	7.76	0.21	1.81	0.46	<0.08	0.16	2.31	0.12	5.07	0.08	<0.05	36.32
15	BLD/PBH03/12	Powder	G469-12	2.25	<0.05	46.13	<0.05	3.12	4.47	0.14	1.40	0.45	<0.08	<0.05	2.27	0.08	3.58	0.08	<0.05	39.04
16	BLD/PBH03/13	Powder	G469-13	1.93	<0.05	47.64	<0.05	2.34	3.35	0.13	1.25	0.36	<0.08	<0.05	2.39	0.08	2.91	0.07	<0.05	39.77
17	BLD/PBH03/14	Powder	G469-14	2.62	<0.05	44.82	<0.05	3.38	4.83	0.16	1.53	0.34	<0.08	<0.05	3.08	0.10	4.61	0.07	<0.05	37.71
18	BLD/PBH03/15	Powder	G469-15	2.51	<0.05	44.64	<0.05	3.81	5.45	0.15	1.77	0.38	<0.08	<0.05	2.57	0.10	4.60	0.07	<0.05	37.64
19	BLD/PBH03/16	Powder	G469-16	2.72	<0.05	44.01	<0.05	4.48	6.41	0.12	1.82	0.38	<0.08	<0.05	2.36	0.09	4.44	0.06	<0.05	37.44
20	BLD/PBH03/17	Powder	G469-17	2.71	<0.05	42.73	<0.05	5.47	7.82	0.16	2.01	0.40	<0.08	0.05	2.44	0.10	5.08	0.07	<0.05	36.31
21	BLD/PBH03/18	Powder	G469-18	2.25	<0.05	43.65	<0.05	6.33	9.05	0.11	1.68	0.42	<0.08	0.09	1.45	0.08	3.90	0.06	<0.05	37.14
22	BLD/PBH03/19	Powder	G469-19	2.51	<0.05	43.73	<0.05	5.69	8.13	0.13	1.57	0.29	<0.08	0.09	2.06	0.09	4.16	0.06	<0.05	37.06
23	BLD/PBH03/20	Powder	G469-20	3.43	<0.05	34.91	<0.05	13.82	19.76	0.20	1.98	0.22	<0.08	0.23	1.58	0.13	5.66	0.06	0.05	31.68
24	BLD/PBH03/20	Powder	G469-20	3.38	<0.05	34.96	<0.05	13.84	19.78	0.20	1.97	0.24	<0.08	0.23	1.56	0.13	5.64	0.06	0.05	31.70
25	BLD/PBH03/21	Powder	G469-21	3.91	<0.05	33.86	<0.05	13.81	19.74	0.26	2.16	0.28	<0.08	0.29	1.31	0.16	6.49	0.06	0.05	31.33
26	BLD/PBH03/22	Powder	G469-22	3.58	<0.05	36.60	<0.05	11.63	16.63	0.23	1.95	0.19	<0.08	0.22	1.58	0.14	5.64	0.06	<0.05	33.05
27	BLD/PBH03/23	Powder	G469-23	2.19	<0.05	45.13	<0.05	5.59	7.99	0.15	1.40	0.17	<0.08	0.11	0.93	0.09	3.55	0.07	<0.05	38.12
28	BLD/PBH03/24	Powder	G469-24	2.89	<0.05	45.45	<0.05	3.31	4.74	0.23	1.36	0.10	<0.08	<0.05	1.89	0.13	4.71	0.07	<0.05	38.30
29	BLD/PBH03/25	Powder	G469-25	3.82	<0.05	41.73	<0.05	5.55	7.94	0.37	1.75	0.15	<0.08	0.11	1.40	0.19	6.71	0.08	<0.05	35.63

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/05	SOP/OM/05	SOP/OM/105	SOP/OM/05	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103	
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI	
30	BLD/PBH03/26	Powder	G469-26	5.21	<0.05	37.45	<0.05	6.53	9.34	0.55	2.37	0.11	<0.08	0.18	1.28	0.27	9.44	0.07	<0.05	33.60	
31	BLD/PBH03/27	Powder	G469-27	5.46	<0.05	34.14	<0.05	7.78	11.12	0.60	3.10	0.08	<0.08	0.23	0.93	0.29	11.40	0.08	<0.05	32.42	
32	BLD/PBH03/28	Powder	G469-28	4.92	<0.05	37.31	<0.05	6.55	9.37	0.50	2.21	0.06	<0.08	0.19	0.78	0.24	10.17	0.08	<0.05	34.03	
33	BLD/PBH03/29	Powder	G469-29	17.05	<0.05	1.23	<0.05	14.51	20.74	3.73	2.46	<0.05	0.27	0.14	1.16	1.35	43.03	0.12	<0.05	8.50	
34	BLD/PBH03/30	Powder	G469-30	21.64	<0.05	0.74	<0.05	8.04	11.49	3.21	2.96	<0.05	0.54	0.12	1.26	1.03	47.71	<0.05	<0.05	9.13	
35	BLD/PBH03/30	Powder	G469-30	21.59	<0.05	0.74	<0.05	8.01	11.45	3.22	2.97	<0.05	0.56	0.12	1.27	1.03	47.75	<0.05	<0.05	9.14	
36	BLD/PBH03/31	Powder	G469-31	21.26	<0.05	0.83	<0.05	8.37	11.97	3.00	3.12	<0.05	0.46	0.12	1.17	1.03	47.77	<0.05	<0.05	9.10	
37	BLD/PBH03/32	Powder	G469-32	9.95	<0.05	26.33	<0.05	7.29	10.42	1.24	2.47	0.06	0.09	0.16	1.15	0.46	21.64	0.06	<0.05	25.87	
38	BLD/PBH03/33	Powder	G469-33	7.93	<0.05	32.12	<0.05	5.53	7.91	0.99	2.41	<0.05	0.09	0.27	0.85	0.37	17.78	0.08	<0.05	29.09	
39	BLD/PBH03/34	Powder	G469-34	5.69	<0.05	37.31	<0.05	4.97	7.10	0.67	2.40	<0.05	<0.08	0.14	1.18	0.26	12.13	0.09	<0.05	32.88	
40	BLD/PBH03/35	Powder	G469-35	3.69	<0.05	42.62	<0.05	2.69	3.85	0.36	2.52	<0.05	<0.08	<0.05	1.05	0.15	8.55	0.12	<0.05	36.93	
41	BLD/PBH03/36	Powder	G469-36	2.76	<0.05	45.52	<0.05	2.11	3.02	0.25	2.43	<0.05	<0.08	<0.05	0.89	0.11	5.97	0.11	<0.05	38.82	
42	BLD/PBH03/37	Powder	G469-37	2.40	<0.05	46.22	<0.05	2.12	3.03	0.21	2.35	0.08	<0.08	<0.05	1.04	0.10	4.98	0.08	<0.05	39.40	
43	BLD/PBH03/38	Powder	G469-38	2.65	<0.05	45.04	<0.05	2.85	4.08	0.22	2.44	0.18	<0.08	<0.05	1.68	0.10	4.96	0.10	<0.05	38.42	
44	BLD/PBH03/39	Powder	G469-39	1.91	<0.05	47.74	<0.05	2.19	3.13	0.14	1.75	0.26	<0.08	<0.05	1.60	0.07	3.53	0.10	<0.05	39.68	
45	BLD/PBH03/40	Powder	G469-40	2.71	<0.05	43.41	<0.05	3.76	5.38	0.23	2.71	0.33	<0.08	0.07	2.28	0.10	5.20	0.08	<0.05	37.30	
46	BLD/PBH03/40	Powder	G469-40	2.66	<0.05	43.47	<0.05	3.79	5.42	0.23	2.69	0.34	<0.08	0.07	2.28	0.11	5.25	0.09	<0.05	37.29	
47	IPT-61	CRM	Meas.	0.06	-	-	-	-	-	-	-	-	-	-	-	-	99.76	-	-	-	
48	BLD/PBH03/41	Powder	G469-41	2.42	<0.05	45.89	<0.05	3.09	4.41	0.18	1.92	0.23	<0.08	<0.05	1.82	0.09	4.21	0.08	<0.05	38.60	
49	BLD/PBH03/42	Powder	G469-42	1.62	<0.05	49.34	<0.05	1.68	2.40	0.12	1.35	0.24	<0.08	<0.05	1.40	0.06	2.92	0.08	<0.05	40.36	
50	BLD/PBH03/43	Powder	G469-43	2.05	<0.05	48.08	<0.05	2.15	3.07	0.14	1.49	0.16	<0.08	<0.05	1.74	0.07	3.57	0.08	<0.05	39.46	
51	BLD/PBH03/44	Powder	G469-44	2.35	<0.05	46.82	<0.05	2.09	2.99	0.20	1.93	0.16	<0.08	<0.05	1.25	0.11	4.45	0.08	<0.05	39.54	
52	BLD/PBH03/45	Powder	G469-45	3.56	<0.05	41.87	<0.05	4.87	6.96	0.37	2.64	0.16	<0.08	0.09	0.60	0.18	7.00	0.09	<0.05	36.36	
53	BLD/PBH03/46	Powder	G469-46	3.51	<0.05	41.84	<0.05	4.77	6.82	0.35	2.88	0.08	<0.08	0.10	0.73	0.17	6.62	0.11	<0.05	36.69	
54	BLD/PBH03/47	Powder	G469-47	3.88	<0.05	40.96	<0.05	4.82	6.89	0.41	2.98	0.12	<0.08	0.07	0.77	0.19	7.61	0.11	<0.05	35.90	
55	BLD/PBH03/48	Powder	G469-48	3.32	<0.05	43.14	<0.05	3.65	5.22	0.32	2.63	<0.05	<0.08	<0.05	0.57	0.16	6.39	0.12	<0.05	37.95	
56	BLD/PBH03/49	Powder	G469-49	4.44	<0.05	39.91	<0.05	2.69	3.84	0.55	3.84	<0.05	<0.08	<0.05	0.55	0.23	9.93	0.12	<0.05	36.43	
57	BLD/PBH03/50	Powder	G469-50	5.15	<0.05	35.57	<0.05	6.07	8.69	0.58	3.87	<0.05	<0.08	0.13	0.54	0.26	10.87	0.10	<0.05	34.12	
58	BLD/PBH03/50	Powder	G469-50	5.18	<0.05	35.53	<0.05	6.06	8.67	0.58	3.85	<0.05	<0.08	0.13	0.56	0.26	10.84	0.10	<0.05	34.18	
59	BLD/PBH03/51	Powder	G469-51	3.68	<0.05	42.83	<0.05	3.76	5.38	0.35	2.18	<0.05	<0.08	0.12	0.58	0.18	7.02	0.11	<0.05	37.45	
60	BLD/PBH03/52	Powder	G469-52	3.45	<0.05	43.59	<0.05	2.21	3.16	0.35	2.54	<0.05	<0.08	<0.05	0.94	0.17	7.12	0.10	<0.05	38.45	
61	BLD/PBH03/53	Powder	G469-53	3.92	<0.05	41.76	<0.05	3.62	5.17	0.36	2.85	<0.05	<0.08	0.10	0.92	0.19	7.25	0.11	<0.05	37.26	
62	BLD/PBH03/54	Powder	G469-54	2.68	<0.05	46.74	<0.05	2.04	2.91	0.23	1.76	<0.05	<0.08	<0.05	1.12	0.12	4.71	0.09	<0.05	39.49	
63	BLD/PBH03/55	Powder	G469-55	3.14	<0.05	43.84	<0.05	3.82	5.47	0.26	2.09	<0.05	<0.08	0.10	1.34	0.13	5.63	0.09	<0.05	37.81	
64	BLD/PBH03/56	Powder	G469-56	3.26	<0.05	44.29	<0.05	2.80	4.00	0.25	1.90	<0.05	<0.08	<0.05	1.91	0.13	6.04	0.08	<0.05	37.98	
65	BLD/PBH03/57	Powder	G469-57	2.85	<0.05	45.37	<0.05	2.73	3.90	0.21	1.69	<0.05	<0.08	<0.05	2.13	0.11	5.39	0.07	<0.05	38.12	
66	BLD/PBH03/58	Powder	G469-58	1.94	<0.05	48.45	<0.05	1.74	2.49	0.16	1.40	<0.05	<0.08	<0.05	1.44	0.10	3.97	0.09	<0.05	39.82	
67	BLD/PBH03/59	Powder	G469-59	2.92	<0.05	46.96	<0.05	1.57	2.24	0.23	1.42	<0.05	<0.08	<0.05	1.62	0.13	5.18	0.07	<0.05	39.12	
68	BLD/PBH03/60	Powder	G469-60	2.96	<0.05	46.35	<0.05	1.93	2.75	0.26	1.57	<0.05	<0.08	<0.05	1.38	0.14	5.52	0.09	<0.05	38.85	
69	BLD/PBH03/60	Powder	G469-60	2.94	<0.05	46.33	<0.05	1.92	2.75	0.26	1.56	<0.05	<0.08	<0.05	1.37	0.14	5.54	0.09	<0.05	38.90	
70	BLD/PBH03/61	Powder	G469-61	2.71	<0.05	47.84	<0.05	1.28	1.83	0.23	1.35	<0.05	<0.08	<0.05	1.13	0.13	4.66	0.09	<0.05	39.93	
71	BLD/PBH03/62	Powder	G469-62	2.57	<0.05	48.04	<0.05	1.37	1.95	0.19	1.46	<0.05	<0.08	<0.05	0.83	0.11	4.60	0.07	<0.05	40.05	

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103	
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI	
72	BLD/PBH03/63	Powder	G469-63	1.92	<0.05	49.46	<0.05	1.40	2.00	0.11	1.44	<0.05	<0.08	<0.05	0.83	0.07	3.26	0.09	<0.05	40.72	
73	BLD/PBH03/64	Powder	G469-64	1.49	<0.05	50.75	<0.05	1.16	1.66	0.07	1.26	<0.05	<0.08	<0.05	0.65	<0.05	2.41	0.06	<0.05	41.51	
74	BLD/PBH03/65	Powder	G469-65	1.36	<0.05	50.98	<0.05	1.05	1.50	0.08	1.12	<0.05	<0.08	<0.05	1.01	<0.05	2.16	0.06	<0.05	41.60	
75	BLD/PBH03/66	Powder	G469-66	1.04	<0.05	52.27	<0.05	0.70	1.00	0.06	0.89	<0.05	<0.08	<0.05	0.71	<0.05	1.49	<0.05	<0.05	42.36	
76	BLD/PBH03/67	Powder	G469-67	1.42	<0.05	51.64	<0.05	0.66	0.94	0.08	0.96	<0.05	<0.08	<0.05	0.57	<0.05	1.97	<0.05	<0.05	42.22	
77	BLD/PBH03/68	Powder	G469-68	1.14	<0.05	52.11	<0.05	0.69	0.99	0.07	0.91	<0.05	<0.08	<0.05	0.58	<0.05	1.75	0.05	<0.05	42.24	
78	BLD/PBH03/69	Powder	G469-69	1.59	<0.05	50.81	<0.05	0.96	1.37	0.12	1.08	<0.05	<0.08	<0.05	0.79	0.06	2.56	0.05	<0.05	41.43	
79	BLD/PBH03/70	Powder	G469-70	1.82	<0.05	50.88	<0.05	0.80	1.14	0.13	1.07	<0.05	<0.08	<0.05	0.66	0.06	2.64	<0.05	<0.05	41.45	
80	BLD/PBH03/70	Powder	G469-70	1.91	<0.05	50.72	<0.05	0.80	1.15	0.13	1.07	<0.05	<0.08	<0.05	0.65	0.07	2.59	<0.05	<0.05	41.57	
81	BLD/PBH03/71	Powder	G469-71	2.39	<0.05	49.06	<0.05	1.14	1.62	0.20	1.20	<0.05	<0.08	<0.05	1.01	0.08	3.67	<0.05	<0.05	40.62	
82	BLD/PBH03/72	Powder	G469-72	1.82	<0.05	49.80	<0.05	1.21	1.73	0.14	1.21	<0.05	<0.08	<0.05	1.09	0.06	2.99	0.05	<0.05	40.99	
83	BLD/PBH03/73	Powder	G469-73	1.83	<0.05	50.75	<0.05	0.80	1.14	0.13	1.11	<0.05	<0.08	<0.05	0.61	0.06	2.37	<0.05	<0.05	41.85	
84	BLD/PBH03/74	Powder	G469-74	1.76	<0.05	50.30	<0.05	1.03	1.48	0.15	1.17	<0.05	<0.08	<0.05	0.75	0.06	2.92	0.06	<0.05	41.24	
85	BLD/PBH03/75	Powder	G469-75	1.48	<0.05	50.69	<0.05	1.22	1.74	0.10	1.15	<0.05	<0.08	<0.05	1.03	<0.05	2.32	0.05	<0.05	41.28	
86	BLD/PBH03/76	Powder	G469-76	1.85	<0.05	49.67	<0.05	1.38	1.97	0.14	1.24	<0.05	<0.08	<0.05	1.05	0.05	2.93	0.05	<0.05	40.92	
87	BLD/PBH03/77	Powder	G469-77	1.55	<0.05	50.78	<0.05	0.97	1.39	0.12	1.12	<0.05	<0.08	<0.05	0.77	0.05	2.49	0.06	<0.05	41.54	
88	BLD/PBH03/78	Powder	G469-78	1.22	<0.05	51.87	<0.05	0.69	0.98	0.08	1.05	<0.05	<0.08	<0.05	0.44	<0.05	1.86	0.06	<0.05	42.30	
89	BLD/PBH03/79	Powder	G469-79	1.76	<0.05	50.24	<0.05	1.16	1.66	0.12	1.23	<0.05	<0.08	<0.05	0.76	0.06	2.88	0.05	<0.05	41.12	
90	BLD/PBH03/80	Powder	G469-80	1.42	<0.05	51.06	<0.05	0.90	1.28	0.11	1.11	<0.05	<0.08	<0.05	0.60	<0.05	2.44	0.06	<0.05	41.75	
91	BLD/PBH03/80	Powder	G469-80	1.46	<0.05	51.10	<0.05	0.91	1.30	0.11	1.11	<0.05	<0.08	<0.05	0.60	<0.05	2.40	0.06	<0.05	41.70	
92	BLD/PBH03/81	Powder	G469-81	1.38	0.05	51.59	<0.05	0.63	0.91	0.10	1.03	<0.05	<0.08	<0.05	0.49	<0.05	2.04	0.06	<0.05	42.21	
93	BLD/PBH03/82	Powder	G469-82	2.45	<0.05	49.26	<0.05	1.02	1.45	0.18	1.22	<0.05	<0.08	<0.05	0.78	0.09	3.87	0.06	<0.05	40.54	
94	BLD/PBH03/83	Powder	G469-83	1.88	<0.05	49.70	<0.05	1.17	1.68	0.15	1.30	<0.05	<0.08	<0.05	0.68	0.06	3.36	0.05	<0.05	41.03	
95	BLD/PBH03/84	Powder	G469-84	2.06	<0.05	48.98	<0.05	1.29	1.84	0.17	1.32	<0.05	<0.08	<0.05	0.68	0.07	3.95	0.05	<0.05	40.75	
96	BLD/PBH03/85	Powder	G469-85	2.20	<0.05	49.13	<0.05	1.39	1.99	0.18	1.33	<0.05	<0.08	<0.05	0.68	0.07	3.72	0.05	<0.05	40.54	
97	BLD/PBH03/86	Powder	G469-86	2.71	<0.05	47.52	<0.05	1.69	2.42	0.25	1.46	<0.05	<0.08	<0.05	0.97	0.10	4.80	0.06	<0.05	39.58	
98	IPT-44	CRM	Meas.	0.36	-	50.59	-	0.23	0.33	0.12	2.89	-	-	-	-	-	2.66	-	-	42.86	

**Abbreviations:**

SOP/OM/105: Borate Fusion Bead followed by WDXRF Finish

SOP/OM/103: Loss On Ignition followed by Gravimetry Finish

LOQ--Limit of Quantification

IPT-61: Certified Reference Material Standard

IPT-44: Certified Reference Material Standard

Certi. -- Certified

Meas. -- Measured

Accuracy, Precision, Matrix Method and instrument dependent.



SATYANARAYANA - MANAGER - ORES & MINERALS - AUTHORIZED SIGNATORY.

\*\* END OF THE REPORT \*\*

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission. 5. In case any reconfirmation of contents of this test certificate is required, please contact our office. 6. Sampling is not done by us unless otherwise specified. 7. Any discrepancy in the Test Certificate should be notified within 30 days.

Customer Name	Maheshwari Mining Pvt Limited -Assam Umrangso-788931
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Discipline & Group      Chemical & Ores and Minerals.  
Customer Ref.            MMPL/SHIVA/2024/WO-02 (PBH-04)  
Commodity                Geological Rock Powders  
Lab ID                      G471  
Sample Receipt Date    05-Feb-25  
Analysis Completion Date 12-Feb-25  
Date of Reporting       12-Feb-25  
Sample Count            91

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
1	IPT-61	CRM	Cert.	0.05	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	99.79	N.A	N.A	N.A
2	IPT-44	CRM	Cert.	0.33	N.A	50.55	N.A	0.21	0.30	0.12	2.93	N.A	N.A	N.A	N.A	N.A	2.69	N.A	N.A	42.90
3	BLD/PBH04/01	Powder	G471-1	13.84	<0.05	15.17	<0.05	9.77	13.97	1.95	1.56	0.21	<0.08	0.33	0.51	0.77	32.85	<0.05	<0.05	18.64
4	BLD/PBH04/02	Powder	G471-2	3.69	<0.05	35.97	<0.05	12.09	17.29	0.32	1.06	0.48	<0.08	0.33	0.22	0.18	7.47	0.09	<0.05	32.76
5	BLD/PBH04/03	Powder	G471-3	5.56	<0.05	31.47	<0.05	10.86	15.53	0.53	1.83	0.71	<0.08	0.22	0.74	0.29	13.15	0.09	<0.05	29.72
6	BLD/PBH04/04	Powder	G471-4	19.77	<0.05	1.25	<0.05	6.53	9.34	2.93	2.09	<0.05	<0.08	0.13	1.14	1.18	52.59	<0.05	<0.05	9.36
7	BLD/PBH04/05	Powder	G471-5	19.57	<0.05	2.08	<0.05	7.00	10.01	2.85	2.21	<0.05	<0.08	0.15	0.91	1.15	50.87	<0.05	<0.05	9.95
8	BLD/PBH04/06	Powder	G471-6	12.92	<0.05	18.60	<0.05	7.58	10.84	1.79	2.11	0.26	<0.08	0.23	1.34	0.72	30.87	<0.05	<0.05	20.10
9	BLD/PBH04/07	Powder	G471-7	20.44	<0.05	2.61	<0.05	6.74	9.64	3.20	2.45	<0.05	<0.08	0.12	1.27	1.14	48.52	<0.05	<0.05	10.40
10	BLD/PBH04/08	Powder	G471-8	20.79	<0.05	1.78	<0.05	7.59	10.85	3.20	2.61	<0.05	<0.08	0.12	1.33	1.13	48.15	<0.05	<0.05	9.84
11	BLD/PBH04/09	Powder	G471-9	4.91	<0.05	32.71	<0.05	11.54	16.50	0.48	2.36	0.66	<0.08	0.30	0.66	0.25	10.32	0.10	<0.05	30.61
12	BLD/PBH04/10	Powder	G471-10	2.83	<0.05	39.19	<0.05	8.08	11.55	0.16	2.41	1.39	<0.08	0.09	3.50	0.11	4.41	0.08	<0.05	33.85
13	BLD/PBH04/10	Powder	G471-10	2.81	<0.05	39.24	<0.05	8.06	11.52	0.16	2.39	1.43	<0.08	0.09	3.57	0.11	4.40	0.09	<0.05	33.86
14	BLD/PBH04/11	Powder	G471-11	1.59	<0.05	42.71	<0.05	6.91	9.88	0.06	2.44	1.39	<0.08	0.14	0.45	0.06	2.34	0.10	<0.05	38.70
15	BLD/PBH04/12	Powder	G471-12	1.89	<0.05	40.66	<0.05	8.60	12.29	0.06	3.01	1.44	<0.08	0.14	0.11	0.06	2.27	0.10	<0.05	37.84
16	BLD/PBH04/13	Powder	G471-13	2.34	<0.05	40.18	<0.05	9.17	13.11	0.11	2.58	1.21	<0.08	0.08	0.21	0.09	3.17	0.10	<0.05	36.67
17	BLD/PBH04/14	Powder	G471-14	3.31	<0.05	39.16	<0.05	7.61	10.89	0.24	2.22	0.92	<0.08	0.17	0.79	0.14	7.41	0.09	<0.05	34.53
18	BLD/PBH04/15	Powder	G471-15	10.72	<0.05	21.13	<0.05	9.40	13.44	1.46	3.00	0.39	<0.08	0.10	2.97	0.56	23.54	<0.05	<0.05	22.48
19	BLD/PBH04/16	Powder	G471-16	3.65	<0.05	39.57	<0.05	7.28	10.41	0.23	2.13	0.60	<0.08	0.15	3.45	0.14	5.85	0.08	<0.05	33.60
20	BLD/PBH04/17	Powder	G471-17	2.79	<0.05	44.32	<0.05	4.09	5.84	0.20	1.61	0.48	<0.08	0.05	2.37	0.12	4.69	0.08	<0.05	37.36
21	BLD/PBH04/18	Powder	G471-18	2.06	<0.05	46.57	<0.05	3.07	4.39	0.17	1.31	0.42	<0.08	0.06	2.82	0.09	3.92	0.10	<0.05	37.99
22	BLD/PBH04/19	Powder	G471-19	2.19	<0.05	47.28	<0.05	2.62	3.74	0.14	1.24	0.32	<0.08	<0.05	3.15	0.09	3.39	0.07	<0.05	38.28
23	BLD/PBH04/20	Powder	G471-20	2.18	<0.05	46.18	<0.05	3.26	4.66	0.13	1.57	0.32	<0.08	<0.05	2.80	0.09	4.09	0.07	<0.05	37.69
24	BLD/PBH04/20	Powder	G471-20	2.19	<0.05	46.17	<0.05	3.25	4.65	0.13	1.59	0.34	<0.08	<0.05	2.79	0.09	4.10	0.07	<0.05	37.66
25	BLD/PBH04/21	Powder	G471-21	3.38	<0.05	42.83	<0.05	4.12	5.89	0.24	1.86	0.33	<0.08	<0.05	2.85	0.14	6.43	0.07	<0.05	35.83
26	BLD/PBH04/22	Powder	G471-22	2.53	<0.05	44.04	<0.05	4.81	6.88	0.14	1.90	0.36	<0.08	<0.05	2.81	0.10	4.79	0.07	<0.05	36.22
27	BLD/PBH04/23	Powder	G471-23	2.72	<0.05	44.21	<0.05	5.15	7.36	0.13	1.90	0.39	<0.08	0.06	1.95	0.09	4.66	0.06	<0.05	36.36
28	BLD/PBH04/24	Powder	G471-24	2.58	<0.05	42.52	<0.05	7.48	10.69	0.13	1.73	0.37	<0.08	0.12	1.78	0.09	4.50	0.06	<0.05	35.29
29	BLD/PBH04/25	Powder	G471-25	2.39	<0.05	43.24	<0.05	6.61	9.46	0.13	1.55	0.26	<0.08	0.10	2.00	0.09	4.03	0.06	<0.05	36.57
30	BLD/PBH04/26	Powder	G471-26	4.10	<0.05	32.11	<0.05	15.63	22.35	0.25	2.17	0.21	<0.08	0.29	1.22	0.17	6.66	0.06	0.06	30.23

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103	
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI	
31	BLD/PBH04/27	Powder	G471-27	3.61	<0.05	35.81	<0.05	12.37	17.68	0.25	2.06	0.25	<0.08	0.25	1.39	0.16	6.12	0.07	0.05	32.18	
32	BLD/PBH04/28	Powder	G471-28	3.36	<0.05	36.92	<0.05	11.48	16.41	0.23	1.89	0.22	<0.08	0.22	1.76	0.15	5.64	0.07	<0.05	32.99	
33	BLD/PBH04/29	Powder	G471-29	2.14	<0.05	47.12	<0.05	3.46	4.94	0.17	1.24	0.14	<0.08	0.05	1.11	0.11	3.71	0.07	<0.05	39.10	
34	BLD/PBH04/30	Powder	G471-30	3.02	<0.05	43.88	<0.05	4.79	6.85	0.27	1.56	0.12	<0.08	0.08	1.69	0.15	5.34	0.08	<0.05	36.76	
35	BLD/PBH04/30	Powder	G471-30	3.06	<0.05	43.81	<0.05	4.77	6.83	0.26	1.55	0.12	<0.08	0.08	1.68	0.16	5.36	0.08	<0.05	36.70	
36	BLD/PBH04/31	Powder	G471-31	4.11	<0.05	40.81	<0.05	5.72	8.18	0.43	1.82	0.13	<0.08	0.12	1.41	0.22	7.52	0.08	<0.05	35.03	
37	BLD/PBH04/32	Powder	G471-32	5.12	<0.05	36.89	<0.05	6.81	9.74	0.55	2.45	0.12	<0.08	0.18	1.07	0.27	9.62	0.08	<0.05	33.76	
38	BLD/PBH04/33	Powder	G471-33	5.54	<0.05	34.00	<0.05	7.55	10.80	0.59	3.19	0.08	<0.08	0.26	1.08	0.27	11.61	0.07	<0.05	32.36	
39	BLD/PBH04/34	Powder	G471-34	5.12	<0.05	37.17	<0.05	6.67	9.53	0.52	2.20	0.07	<0.08	0.20	0.97	0.25	10.38	0.08	<0.05	33.37	
40	BLD/PBH04/35	Powder	G471-35	21.27	<0.05	0.83	<0.05	8.41	12.02	3.13	3.09	<0.05	0.56	0.14	1.31	1.01	47.55	<0.05	<0.05	8.93	
41	BLD/PBH04/36	Powder	G471-36	21.25	<0.05	0.73	<0.05	8.33	11.91	3.06	3.07	<0.05	0.49	0.13	1.27	1.03	47.84	<0.05	<0.05	9.06	
42	BLD/PBH04/37	Powder	G471-37	9.91	<0.05	25.88	<0.05	7.35	10.51	1.30	2.57	<0.05	0.12	0.12	0.93	0.48	22.51	0.07	<0.05	25.49	
43	BLD/PBH04/38	Powder	G471-38	6.44	<0.05	34.84	<0.05	5.25	7.50	0.81	2.37	0.07	0.09	0.12	1.10	0.31	14.78	0.09	<0.05	31.40	
44	BLD/PBH04/39	Powder	G471-39	4.51	<0.05	40.64	<0.05	3.56	5.09	0.51	2.35	<0.05	<0.08	0.08	1.04	0.20	9.95	0.10	<0.05	35.37	
45	BLD/PBH04/40	Powder	G471-40	3.35	<0.05	42.93	<0.05	2.70	3.86	0.34	2.53	<0.05	<0.08	<0.05	1.35	0.14	8.03	0.12	<0.05	37.20	
46	BLD/PBH04/40	Powder	G471-40	3.36	<0.05	42.89	<0.05	2.71	3.88	0.34	2.54	<0.05	<0.08	<0.05	1.35	0.14	8.02	0.12	<0.05	37.22	
47	IPT-61	CRM	Meas.	0.07	-	-	-	-	-	-	-	-	-	-	-	-	99.73	-	-	-	
48	BLD/PBH04/41	Powder	G471-41	2.38	<0.05	46.57	<0.05	2.06	2.94	0.22	2.14	<0.05	<0.08	<0.05	0.91	0.09	5.09	0.10	<0.05	39.42	
49	BLD/PBH04/42	Powder	G471-42	2.50	<0.05	45.07	<0.05	2.64	3.78	0.21	2.55	0.10	<0.08	<0.05	1.78	0.10	4.94	0.08	<0.05	38.75	
50	BLD/PBH04/43	Powder	G471-43	2.07	<0.05	47.49	<0.05	2.18	3.11	0.16	1.92	0.22	<0.08	<0.05	1.21	0.08	3.78	0.10	<0.05	39.75	
51	BLD/PBH04/44	Powder	G471-44	1.89	<0.05	47.08	<0.05	2.43	3.47	0.15	2.05	0.28	<0.08	<0.05	1.56	0.07	3.71	0.10	<0.05	39.52	
52	BLD/PBH04/45	Powder	G471-45	2.64	<0.05	43.06	<0.05	4.03	5.76	0.24	2.90	0.30	<0.08	<0.05	2.03	0.11	5.28	0.09	<0.05	37.43	
53	BLD/PBH04/46	Powder	G471-46	1.78	<0.05	47.84	<0.05	2.35	3.36	0.14	1.58	0.24	<0.08	<0.05	1.77	0.07	3.44	0.09	<0.05	39.56	
54	BLD/PBH04/47	Powder	G471-47	1.55	<0.05	49.20	<0.05	1.89	2.70	0.12	1.32	0.20	<0.08	<0.05	1.66	0.07	3.08	0.08	<0.05	39.93	
55	BLD/PBH04/48	Powder	G471-48	2.03	<0.05	47.33	<0.05	2.34	3.35	0.18	1.74	0.16	<0.08	<0.05	1.63	0.09	4.09	0.08	<0.05	39.20	
56	BLD/PBH04/49	Powder	G471-49	3.29	<0.05	43.23	<0.05	4.13	5.90	0.30	2.57	0.12	<0.08	0.09	0.73	0.16	5.75	0.08	<0.05	37.68	
57	BLD/PBH04/50	Powder	G471-50	3.28	<0.05	43.03	<0.05	3.65	5.22	0.33	2.93	0.12	<0.08	0.06	0.74	0.16	6.11	0.10	<0.05	37.72	
58	BLD/PBH04/50	Powder	G471-50	3.20	<0.05	43.08	<0.05	3.65	5.22	0.33	2.90	0.12	<0.08	0.06	0.75	0.16	6.09	0.11	<0.05	37.78	
59	BLD/PBH04/51	Powder	G471-51	3.13	<0.05	42.01	<0.05	5.35	7.65	0.31	2.72	0.05	<0.08	0.10	0.55	0.15	5.95	0.11	<0.05	37.15	
60	BLD/PBH04/52	Powder	G471-52	3.25	<0.05	42.93	<0.05	4.23	6.04	0.33	2.73	<0.05	<0.08	0.06	0.60	0.17	6.26	0.12	<0.05	37.38	
61	BLD/PBH04/53	Powder	G471-53	5.58	<0.05	37.30	<0.05	2.68	3.83	0.67	4.11	<0.05	<0.08	<0.05	0.58	0.28	11.78	0.11	<0.05	35.62	
62	BLD/PBH04/54	Powder	G471-54	5.02	<0.05	36.00	<0.05	5.88	8.40	0.57	3.95	<0.05	<0.08	0.11	0.51	0.25	10.61	0.10	<0.05	34.37	
63	BLD/PBH04/55	Powder	G471-55	3.88	<0.05	42.60	<0.05	4.01	5.73	0.36	2.24	<0.05	<0.08	0.06	0.69	0.19	7.33	0.10	<0.05	36.71	
64	BLD/PBH04/56	Powder	G471-56	3.05	<0.05	44.53	<0.05	1.96	2.80	0.31	2.60	<0.05	<0.08	<0.05	0.89	0.16	6.54	0.10	<0.05	38.89	
65	BLD/PBH04/57	Powder	G471-57	3.82	<0.05	41.95	<0.05	3.50	5.00	0.37	2.70	<0.05	<0.08	0.08	0.85	0.19	7.34	0.11	<0.05	37.48	
66	BLD/PBH04/58	Powder	G471-58	2.83	<0.05	46.52	<0.05	2.11	3.02	0.26	1.73	<0.05	<0.08	<0.05	1.48	0.13	5.04	0.08	<0.05	38.77	
67	BLD/PBH04/59	Powder	G471-59	3.13	<0.05	44.35	<0.05	3.84	5.48	0.26	2.02	<0.05	<0.08	0.09	1.44	0.13	5.68	0.09	<0.05	37.20	
68	BLD/PBH04/60	Powder	G471-60	3.01	<0.05	45.23	<0.05	2.85	4.08	0.24	1.76	<0.05	<0.08	<0.05	1.96	0.12	5.85	0.07	<0.05	37.42	
69	BLD/PBH04/60	Powder	G471-60	3.03	<0.05	45.23	<0.05	2.85	4.07	0.24	1.76	<0.05	<0.08	<0.05	1.97	0.12	5.87	0.08	<0.05	37.48	
70	BLD/PBH04/61	Powder	G471-61	2.62	<0.05	46.52	<0.05	2.69	3.85	0.19	1.69	<0.05	<0.08	0.07	2.13	0.11	5.02	0.08	<0.05	37.61	
71	BLD/PBH04/62	Powder	G471-62	2.34	<0.05	48.76	<0.05	1.53	2.19	0.17	1.34	<0.05	<0.08	<0.05	1.33	0.10	3.87	0.07	<0.05	39.71	
72	BLD/PBH04/63	Powder	G471-63	2.29	<0.05	49.31	<0.05	1.08	1.55	0.21	1.26	<0.05	<0.08	<0.05	0.83	0.11	4.38	0.08	<0.05	39.87	

S.No	Customer Code	Sample Description	METHOD	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/105	SOP/OM/103	
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI	
73	BLD/PBH04/64	Powder	G471-64	3.09	<0.05	46.69	<0.05	1.94	2.78	0.26	1.54	<0.05	<0.08	<0.05	1.25	0.14	5.83	0.09	<0.05	38.18	
74	BLD/PBH04/65	Powder	G471-65	3.30	<0.05	46.57	<0.05	1.76	2.51	0.30	1.46	<0.05	<0.08	<0.05	1.49	0.16	6.29	0.11	<0.05	37.69	
75	BLD/PBH04/66	Powder	G471-66	2.66	<0.05	48.57	<0.05	1.32	1.89	0.22	1.43	<0.05	<0.08	<0.05	0.87	0.12	5.00	0.07	<0.05	39.05	
76	BLD/PBH04/67	Powder	G471-67	1.98	<0.05	50.06	<0.05	1.38	1.98	0.14	1.45	<0.05	<0.08	<0.05	0.85	0.08	3.63	0.09	<0.05	39.63	
77	BLD/PBH04/68	Powder	G471-68	1.55	<0.05	51.61	<0.05	1.03	1.48	0.08	1.20	<0.05	<0.08	<0.05	0.85	<0.05	2.32	0.07	<0.05	40.68	
78	BLD/PBH04/69	Powder	G471-69	1.28	<0.05	52.57	<0.05	0.79	1.12	0.06	1.05	<0.05	<0.08	<0.05	0.79	<0.05	1.77	0.06	<0.05	41.13	
79	BLD/PBH04/70	Powder	G471-70	1.35	<0.05	52.70	<0.05	0.67	0.96	0.07	1.02	<0.05	<0.08	<0.05	0.57	<0.05	1.82	<0.05	<0.05	41.31	
80	BLD/PBH04/70	Powder	G471-70	1.36	<0.05	52.72	<0.05	0.66	0.94	0.07	1.03	<0.05	<0.08	<0.05	0.56	<0.05	1.75	<0.05	<0.05	41.37	
81	BLD/PBH04/71	Powder	G471-71	1.48	<0.05	52.29	<0.05	0.71	1.01	0.09	1.05	<0.05	<0.08	<0.05	0.61	<0.05	2.15	0.05	<0.05	41.10	
82	BLD/PBH04/72	Powder	G471-72	1.59	<0.05	51.97	<0.05	0.85	1.21	0.09	1.06	<0.05	<0.08	<0.05	0.82	0.05	2.20	0.05	<0.05	40.84	
83	BLD/PBH04/73	Powder	G471-73	1.78	<0.05	50.28	<0.05	0.95	1.36	0.14	1.15	<0.05	<0.08	<0.05	0.81	0.07	2.91	0.06	<0.05	41.34	
84	BLD/PBH04/74	Powder	G471-74	1.76	<0.05	50.61	<0.05	0.82	1.18	0.14	1.07	<0.05	<0.08	<0.05	0.68	0.07	2.81	0.06	<0.05	41.53	
85	BLD/PBH04/75	Powder	G471-75	2.07	<0.05	48.95	<0.05	1.30	1.87	0.18	1.24	<0.05	<0.08	<0.05	1.26	0.08	3.70	0.06	<0.05	40.48	
86	BLD/PBH04/76	Powder	G471-76	1.54	<0.05	50.90	<0.05	0.93	1.33	0.12	1.15	<0.05	<0.08	<0.05	0.75	0.05	2.51	0.06	<0.05	41.49	
87	BLD/PBH04/77	Powder	G471-77	1.69	<0.05	50.67	<0.05	0.81	1.16	0.17	1.11	<0.05	<0.08	<0.05	0.60	0.07	2.83	0.06	<0.05	41.51	
88	BLD/PBH04/78	Powder	G471-78	1.91	<0.05	50.23	<0.05	1.00	1.43	0.15	1.19	<0.05	<0.08	<0.05	0.76	0.06	2.85	0.05	<0.05	41.25	
89	BLD/PBH04/79	Powder	G471-79	1.56	<0.05	50.86	<0.05	1.15	1.64	0.10	1.15	<0.05	<0.08	<0.05	0.90	<0.05	2.21	0.05	<0.05	41.39	
90	BLD/PBH04/80	Powder	G471-80	1.54	<0.05	50.75	<0.05	1.04	1.48	0.12	1.13	<0.05	<0.08	<0.05	0.90	0.05	2.44	0.05	<0.05	41.43	
91	BLD/PBH04/80	Powder	G471-80	1.54	<0.05	50.73	<0.05	1.04	1.49	0.12	1.13	<0.05	<0.08	<0.05	0.90	0.05	2.45	0.05	<0.05	41.43	
92	BLD/PBH04/81	Powder	G471-81	1.17	<0.05	52.10	<0.05	0.57	0.82	0.08	1.01	<0.05	<0.08	<0.05	0.41	<0.05	1.67	0.06	<0.05	42.54	
93	BLD/PBH04/82	Powder	G471-82	1.29	<0.05	51.41	<0.05	0.86	1.22	0.09	1.10	<0.05	<0.08	<0.05	0.57	<0.05	2.18	0.06	<0.05	41.92	
94	BLD/PBH04/83	Powder	G471-83	1.55	<0.05	50.44	<0.05	1.17	1.67	0.11	1.20	<0.05	<0.08	<0.05	0.85	0.05	2.72	0.06	<0.05	41.23	
95	BLD/PBH04/84	Powder	G471-84	1.20	<0.05	51.59	<0.05	0.74	1.06	0.09	1.07	<0.05	<0.08	<0.05	0.58	<0.05	2.10	0.06	<0.05	42.09	
96	BLD/PBH04/85	Powder	G471-85	2.01	<0.05	50.09	<0.05	0.82	1.17	0.17	1.15	<0.05	<0.08	<0.05	0.59	0.08	3.59	0.07	<0.05	40.97	
97	BLD/PBH04/86	Powder	G471-86	1.74	<0.05	49.99	<0.05	1.22	1.75	0.15	1.27	<0.05	<0.08	<0.05	0.74	0.07	3.41	0.06	<0.05	40.70	
98	BLD/PBH04/87	Powder	G471-87	1.81	<0.05	49.83	<0.05	1.28	1.83	0.14	1.29	<0.05	<0.08	<0.05	0.66	0.06	3.30	0.06	<0.05	40.91	
99	BLD/PBH04/88	Powder	G471-88	2.05	<0.05	49.41	<0.05	1.40	2.00	0.16	1.32	<0.05	<0.08	<0.05	0.76	0.06	3.38	0.06	<0.05	40.70	
100	BLD/PBH04/89	Powder	G471-89	2.31	<0.05	49.09	<0.05	1.34	1.91	0.20	1.30	<0.05	<0.08	<0.05	0.71	0.08	3.86	0.06	<0.05	40.36	
101	BLD/PBH04/90	Powder	G471-90	2.67	<0.05	47.37	<0.05	1.91	2.73	0.23	1.46	<0.05	<0.08	<0.05	1.37	0.10	4.86	0.08	<0.05	39.01	
102	BLD/PBH04/90	Powder	G471-90	2.62	<0.05	47.33	<0.05	1.92	2.75	0.23	1.45	<0.05	<0.08	<0.05	1.35	0.10	4.85	0.08	<0.05	39.02	
103	BLD/PBH04/91	Powder	G471-91	2.68	<0.05	46.76	<0.05	2.12	3.03	0.26	1.51	<0.05	<0.08	<0.05	1.39	0.11	5.41	0.09	<0.05	38.63	
104	IPT-44	CRM	Meas.	0.34	-	50.58	-	0.21	0.31	0.13	2.99	-	-	-	-	-	2.65	-	-	42.88	

**Abbreviations:**

SOP/OM/105: Borate Fusion Bead followed by WDXRF Finish

SOP/OM/103: Loss On Ignition followed by Gravimetry Finish

LOQ--Limit of Quantification

IPT-61: Certified Reference Material Standard

IPT-44: Certified Reference Material Standard

Certi. -- Certified

Meas. -- Measured



SATYANARAYANA - MANAGER - ORES & MINERALS - AUTHORIZED SIGNATORY.

**\*\* END OF THE REPORT \*\***

1. The results listed above pertain only to the tested samples and applicable parameters.2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.5. In case any reconfirmation of contents of this test certificate is required,please contact our office.6. Sampling is not done by us unless otherwise specified.7. Any discrepancy in the Test Certificate should be notified within 30 days.

Customer Name	Maheshwari Mining Pvt Limited -Assam Umrangso-788931
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Discipline & Group      Chemical & Ores and Minerals.  
Customer Ref.            MMPL/SHIVA/2024/WO-02  
Commodity                Geological Rock Powders  
Lab ID                      G509  
Sample Receipt Date    10-Feb-25  
Analysis Completion Date 21-Feb-25  
Date of Reporting        21-Feb-25  
Sample Count            94

S.No	Customer Code	Sample Description	METHOD	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM
			LOQ	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
1	IPT-44	CRM	Cert.	0.33	N.A	50.55	N.A	0.21	0.30	N.A	2.93	N.A	N.A	N.A	0.43	N.A	2.69	N.A	N.A	42.90
2	BLD/PBH05/01	Powder	G509-1	19.65	<0.05	4.81	<0.05	8.15	11.65	2.68	2.51	<0.05	<0.08	0.58	0.91	1.08	44.87	<0.05	<0.05	11.20
3	BLD/PBH05/02	Powder	G509-2	4.64	<0.05	36.18	<0.05	10.97	15.68	0.39	1.77	0.40	<0.08	0.68	0.23	0.21	7.87	<0.05	<0.05	31.92
4	BLD/PBH05/03	Powder	G509-3	3.32	<0.05	37.48	<0.05	11.05	15.80	0.21	1.82	0.64	<0.08	0.63	0.46	0.15	6.82	<0.05	<0.05	32.66
5	BLD/PBH05/04	Powder	G509-4	21.14	<0.05	0.55	<0.05	7.08	10.13	2.85	2.49	<0.05	<0.08	0.11	0.87	1.22	52.43	<0.05	<0.05	8.20
6	BLD/PBH05/05	Powder	G509-5	13.06	<0.05	16.47	<0.05	7.93	11.34	1.70	2.78	0.37	<0.08	0.31	1.18	0.74	32.02	<0.05	<0.05	20.02
7	BLD/PBH05/06	Powder	G509-6	21.01	<0.05	0.88	<0.05	7.07	10.11	2.86	2.59	0.08	<0.08	0.17	0.41	1.18	51.79	<0.05	<0.05	8.87
8	BLD/PBH05/07	Powder	G509-7	20.73	<0.05	0.56	<0.05	6.79	9.71	2.97	2.58	<0.05	<0.08	0.15	1.07	1.18	51.50	<0.05	<0.05	9.50
9	BLD/PBH05/08	Powder	G509-8	20.76	<0.05	1.37	<0.05	8.49	12.14	2.77	2.77	<0.05	<0.08	0.12	1.35	1.12	48.28	<0.05	<0.05	9.28
10	BLD/PBH05/09	Powder	G509-9	11.14	<0.05	24.37	<0.05	7.49	10.71	1.35	2.67	0.35	<0.08	0.17	0.86	0.57	23.56	<0.05	<0.05	24.21
11	BLD/PBH05/10	Powder	G509-10	21.22	<0.05	2.69	<0.05	7.29	10.43	3.00	2.80	<0.05	<0.08	0.08	1.13	1.13	47.43	<0.05	<0.05	10.06
12	BLD/PBH05/10	Powder	G509-10	21.23	<0.05	2.64	<0.05	7.33	10.48	2.99	2.77	<0.05	<0.08	0.08	1.14	1.11	47.47	<0.05	<0.05	10.05
13	BLD/PBH05/11	Powder	G509-11	21.70	<0.05	1.06	<0.05	8.11	11.59	3.03	2.95	<0.05	<0.08	0.09	1.55	1.13	47.42	<0.05	<0.05	9.45
14	BLD/PBH05/12	Powder	G509-12	4.92	<0.05	36.57	<0.05	9.16	13.09	0.34	2.38	0.55	<0.08	0.37	0.39	0.22	9.01	<0.05	<0.05	32.15
15	BLD/PBH05/13	Powder	G509-13	3.56	<0.05	37.12	<0.05	9.17	13.11	0.23	2.74	1.41	<0.08	0.33	4.44	0.16	5.32	<0.05	<0.05	31.55
16	BLD/PBH05/14	Powder	G509-14	1.48	<0.05	46.81	<0.05	4.54	6.50	<0.05	2.05	1.11	<0.08	0.16	0.34	0.06	1.86	<0.05	<0.05	39.58
17	BLD/PBH05/15	Powder	G509-15	1.48	<0.05	44.93	<0.05	5.88	8.41	<0.05	2.48	1.15	<0.08	0.21	0.18	0.06	2.00	<0.05	<0.05	39.03
18	BLD/PBH05/16	Powder	G509-16	2.21	<0.05	41.86	<0.05	7.78	11.12	0.07	3.12	1.25	<0.08	0.18	0.21	0.07	2.70	<0.05	<0.05	37.18
19	BLD/PBH05/17	Powder	G509-17	3.98	<0.05	39.93	<0.05	7.04	10.06	0.36	2.48	0.89	<0.08	0.23	0.45	0.18	7.10	<0.05	<0.05	34.32
20	BLD/PBH05/18	Powder	G509-18	3.77	<0.05	38.79	<0.05	6.82	9.75	0.32	2.58	0.69	<0.08	0.25	1.78	0.16	8.96	<0.05	<0.05	32.94
21	BLD/PBH05/19	Powder	G509-19	4.06	<0.05	38.83	<0.05	7.37	10.54	0.31	2.59	0.55	<0.08	0.17	3.54	0.16	6.56	<0.05	<0.05	32.69
22	BLD/PBH05/20	Powder	G509-20	2.78	<0.05	44.42	<0.05	4.31	6.17	0.20	1.91	0.42	<0.08	0.12	2.34	0.12	4.87	<0.05	<0.05	36.64
23	BLD/PBH05/20	Powder	G509-20	2.80	<0.05	44.45	<0.05	4.29	6.14	0.23	1.95	0.46	<0.08	0.11	2.30	0.10	4.84	<0.05	<0.05	36.60
24	BLD/PBH05/21	Powder	G509-21	2.63	<0.05	45.03	<0.05	3.01	4.31	0.22	1.62	0.35	<0.08	0.06	2.82	0.12	5.21	<0.05	<0.05	37.62
25	BLD/PBH05/22	Powder	G509-22	2.67	<0.05	46.29	<0.05	2.44	3.49	0.22	1.54	0.30	<0.08	0.09	2.86	0.11	4.26	<0.05	<0.05	38.16
26	BLD/PBH05/23	Powder	G509-23	2.29	<0.05	45.69	<0.05	3.08	4.40	0.15	1.80	0.32	<0.08	0.08	3.07	0.09	4.55	<0.05	<0.05	37.55
27	BLD/PBH05/24	Powder	G509-24	3.91	<0.05	41.04	<0.05	4.50	6.43	0.28	2.40	0.30	<0.08	0.11	2.97	0.15	7.49	<0.05	<0.05	34.90
28	BLD/PBH05/25	Powder	G509-25	3.74	<0.05	41.12	<0.05	5.32	7.60	0.19	2.47	0.31	<0.08	0.10	3.26	0.13	6.54	<0.05	<0.05	34.50
29	BLD/PBH05/26	Powder	G509-26	2.39	<0.05	45.43	<0.05	4.45	6.37	0.10	2.01	0.38	<0.08	0.13	1.50	0.07	4.07	<0.05	<0.05	37.54
30	BLD/PBH05/27	Powder	G509-27	2.02	<0.05	45.23	<0.05	5.54	7.92	0.11	1.77	0.36	<0.08	0.23	1.52	0.08	3.77	<0.05	<0.05	36.98
31	BLD/PBH05/28	Powder	G509-28	2.26	<0.05	44.92	<0.05	5.02	7.18	0.17	1.76	0.24	<0.08	0.17	2.07	0.10	4.63	<0.05	<0.05	36.50
32	BLD/PBH05/29	Powder	G509-29	3.61	<0.05	36.31	<0.05	12.82	18.33	0.23	2.29	0.13	<0.08	0.42	1.36	0.16	5.79	<0.05	<0.05	31.34
33	BLD/PBH05/30	Powder	G509-30	4.27	<0.05	36.13	<0.05	11.81	16.89	0.28	2.50	0.17	<0.08	0.37	1.26	0.19	6.62	<0.05	<0.05	31.30



S.No	Customer Code	Sample Description	METHOD	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM	SOP/OM
			LOQ	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105	/105
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI	
34	BLD/PBH05/30	Powder	G509-30	4.30	<0.05	36.11	<0.05	11.82	16.90	0.26	2.47	0.19	<0.08	0.39	1.31	0.19	6.57	<0.05	<0.05	31.25	
35	BLD/PBH05/31	Powder	G509-31	3.57	<0.05	38.88	0.05	9.93	14.20	0.25	2.18	0.12	<0.08	0.35	1.71	0.16	5.81	<0.05	<0.05	32.73	
36	BLD/PBH05/32	Powder	G509-32	1.93	<0.05	47.11	<0.05	4.37	6.24	0.13	1.49	0.14	<0.08	0.20	0.82	0.08	3.00	<0.05	<0.05	38.85	
37	BLD/PBH05/33	Powder	G509-33	3.49	<0.05	44.33	<0.05	3.97	5.68	0.27	1.75	0.10	<0.08	0.14	1.68	0.15	5.49	<0.05	<0.05	36.90	
38	BLD/PBH05/34	Powder	G509-34	3.75	<0.05	43.43	<0.05	4.09	5.85	0.38	1.83	0.11	<0.08	0.19	1.42	0.19	6.63	<0.05	<0.05	36.21	
39	BLD/PBH05/35	Powder	G509-35	5.62	<0.05	37.68	<0.05	5.85	8.36	0.55	2.71	0.08	<0.08	0.29	1.13	0.28	9.84	<0.05	<0.05	33.43	
40	BLD/PBH05/36	Powder	G509-36	5.79	<0.05	35.27	<0.05	6.77	9.68	0.60	3.48	<0.05	<0.08	0.36	0.90	0.28	11.58	<0.05	<0.05	31.99	
41	BLD/PBH05/37	Powder	G509-37	5.01	<0.05	38.83	<0.05	5.90	8.43	0.49	2.45	0.05	<0.08	0.33	0.76	0.23	9.95	<0.05	<0.05	33.43	
42	BLD/PBH05/38	Powder	G509-38	22.32	<0.05	0.92	<0.05	8.31	11.88	3.07	3.29	<0.05	0.48	0.43	0.97	1.05	47.51	<0.05	<0.05	8.05	
43	BLD/PBH05/39	Powder	G509-39	21.52	<0.05	1.46	<0.05	8.63	12.34	2.82	3.42	<0.05	0.35	0.11	1.23	1.01	45.95	<0.05	<0.05	9.77	
44	BLD/PBH05/40	Powder	G509-40	10.23	<0.05	26.44	<0.05	7.28	10.41	1.23	2.92	<0.05	<0.08	0.42	0.90	0.47	22.08	<0.05	<0.05	24.80	
45	BLD/PBH05/40	Powder	G509-40	10.21	<0.05	26.47	<0.05	7.27	10.39	1.25	2.89	<0.05	0.08	0.43	0.93	0.50	22.05	<0.05	<0.05	24.77	
46	BLD/PBH05/41	Powder	G509-41	4.44	<0.05	40.86	<0.05	3.79	5.42	0.52	2.36	<0.05	<0.08	0.16	0.99	0.21	10.32	<0.05	<0.05	34.68	
47	BLD/PBH05/42	Powder	G509-42	4.35	<0.05	41.59	<0.05	2.63	3.76	0.49	2.60	<0.05	<0.08	0.10	1.03	0.19	10.25	<0.05	<0.05	35.61	
48	BLD/PBH05/43	Powder	G509-43	3.03	<0.05	43.90	<0.05	2.03	2.90	0.32	3.13	<0.05	<0.08	0.06	0.92	0.13	7.77	<0.05	<0.05	37.80	
49	BLD/PBH05/44	Powder	G509-44	2.35	<0.05	46.39	<0.05	1.89	2.70	0.23	2.47	<0.05	<0.08	0.05	1.10	0.10	5.52	<0.05	<0.05	39.03	
50	BLD/PBH05/45	Powder	G509-45	2.14	<0.05	45.73	<0.05	2.12	3.02	0.21	3.42	0.13	<0.08	0.07	0.88	0.09	4.90	<0.05	<0.05	39.39	
51	BLD/PBH05/46	Powder	G509-46	2.56	<0.05	46.34	<0.05	2.17	3.10	0.22	2.26	0.21	<0.08	0.08	1.47	0.09	4.98	<0.05	<0.05	38.67	
52	BLD/PBH05/47	Powder	G509-47	2.15	<0.05	47.40	<0.05	2.10	3.00	0.15	2.05	0.30	<0.08	0.07	2.03	0.07	3.71	<0.05	<0.05	39.06	
53	BLD/PBH05/48	Powder	G509-48	2.70	<0.05	44.15	<0.05	3.23	4.62	0.25	3.10	0.26	<0.08	0.12	2.14	0.11	5.39	<0.05	<0.05	37.15	
54	BLD/PBH05/49	Powder	G509-49	1.79	<0.05	48.51	<0.05	1.75	2.50	0.16	1.63	0.20	<0.08	0.06	1.78	0.08	3.57	<0.05	<0.05	39.70	
55	BLD/PBH05/50	Powder	G509-50	1.90	<0.05	48.27	<0.05	1.68	2.40	0.17	1.60	0.15	<0.08	<0.05	1.72	0.08	3.83	<0.05	<0.05	39.81	
56	BLD/PBH05/50	Powder	G509-50	1.86	<0.05	48.29	<0.05	1.65	2.37	0.15	1.63	0.16	<0.08	0.05	1.76	0.09	3.84	<0.05	<0.05	39.78	
57	BLD/PBH05/51	Powder	G509-51	2.23	<0.05	47.56	<0.05	1.89	2.70	0.17	1.90	0.13	<0.08	0.06	1.60	0.09	4.08	<0.05	<0.05	39.47	
58	BLD/PBH05/52	Powder	G509-52	3.19	<0.05	44.52	<0.05	2.72	3.88	0.29	2.71	0.11	<0.08	0.12	0.82	0.14	5.68	<0.05	<0.05	38.51	
59	BLD/PBH05/52	Powder	G509-53	3.57	<0.05	42.99	<0.05	3.61	5.16	0.36	3.04	0.14	<0.08	0.16	0.70	0.17	6.68	<0.05	<0.05	37.03	
60	BLD/PBH05/54	Powder	G509-54	3.53	<0.05	42.27	<0.05	3.92	5.60	0.34	3.53	<0.05	<0.08	0.12	0.67	0.16	6.37	<0.05	<0.05	37.35	
61	BLD/PBH05/55	Powder	G509-55	3.31	<0.05	44.20	<0.05	3.06	4.38	0.30	2.78	<0.05	<0.08	0.12	0.58	0.15	6.04	<0.05	<0.05	38.09	
62	BLD/PBH05/56	Powder	G509-56	4.86	<0.05	38.55	<0.05	2.82	4.03	0.52	4.58	<0.05	<0.08	0.19	0.68	0.23	10.09	<0.05	<0.05	36.23	
63	BLD/PBH05/57	Powder	G509-57	5.09	<0.05	37.96	<0.05	3.15	4.50	0.60	4.42	<0.05	<0.08	0.15	0.52	0.25	11.12	<0.05	<0.05	35.39	
64	BLD/PBH05/58	Powder	G509-58	5.68	<0.05	37.67	<0.05	5.58	7.98	0.54	3.15	<0.05	<0.08	0.22	0.61	0.26	10.43	<0.05	<0.05	33.44	
65	BLD/PBH05/59	Powder	G509-59	2.74	<0.05	45.80	<0.05	1.53	2.19	0.27	2.68	<0.05	<0.08	0.07	0.75	0.13	6.08	<0.05	<0.05	39.27	
66	BLD/PBH05/60	Powder	G509-60	4.74	<0.05	40.92	<0.05	3.13	4.48	0.42	3.14	<0.05	<0.08	0.14	0.84	0.21	8.90	<0.05	<0.05	36.18	
67	BLD/PBH05/60	Powder	G509-60	4.79	<0.05	40.95	<0.05	3.12	4.46	0.40	3.15	<0.05	<0.08	0.15	0.80	0.22	8.88	<0.05	<0.05	36.17	
68	BLD/PBH05/61	Powder	G509-61	3.94	<0.05	44.13	<0.05	2.31	3.30	0.34	2.60	<0.05	<0.08	0.17	1.17	0.16	6.34	<0.05	<0.05	37.83	
69	BLD/PBH05/62	Powder	G509-62	3.79	<0.05	43.99	<0.05	3.39	4.85	0.29	2.41	<0.05	<0.08	0.18	1.38	0.15	6.05	<0.05	<0.05	36.90	
70	BLD/PBH05/63	Powder	G509-63	2.84	<0.05	46.74	<0.05	2.05	2.93	0.19	1.88	<0.05	<0.08	0.09	1.57	0.10	4.76	<0.05	<0.05	38.88	
71	BLD/PBH05/64	Powder	G509-64	3.44	<0.05	45.34	<0.05	2.23	3.18	0.23	1.96	<0.05	<0.08	0.09	1.72	0.12	5.99	<0.05	<0.05	37.90	
72	BLD/PBH05/65	Powder	G509-65	2.80	<0.05	47.32	<0.05	1.60	2.29	0.20	1.71	<0.05	<0.08	0.09	1.51	0.11	4.86	<0.05	<0.05	39.09	
73	BLD/PBH05/66	Powder	G509-66	3.08	<0.05	47.35	<0.05	1.14	1.64	0.25	1.68	<0.05	<0.08	<0.05	1.00	0.13	5.40	<0.05	<0.05	39.41	
74	BLD/PBH05/67	Powder	G509-67	3.08	<0.05	46.40	<0.05	1.64	2.35	0.27	1.82	<0.05	<0.08	<0.05	1.28	0.14	6.00	<0.05	<0.05	38.59	
75	BLD/PBH05/68	Powder	G509-68	3.06	<0.05	47.11	<0.05	1.35	1.92	0.28	1.61	<0.05	<0.08	0.05	1.29	0.14	5.88	<0.05	<0.05	38.65	
76	BLD/PBH05/69	Powder	G509-69	2.38	<0.05	48.69	<0.05	1.08	1.55	0.21	1.58	<0.05	<0.08	<0.05	0.81	0.11	4.97	<0.05	<0.05	39.66	
77	BLD/PBH05/70	Powder	G509-70	2.64	<0.05	48.46	<0.05	1.23	1.76	0.17	1.68	<0.05	<0.08	0.05	0.87	0.09	4.31	<0.05	<0.05	39.95	
78	BLD/PBH05/70	Powder	G509-70	2.63	<0.05	48.48	<0.05	1.26	1.80	0.13	1.70	<0.05	<0.08	0.06	0.81	0.09	4.34	<0.05	<0.05	39.92	
79	BLD/PBH05/71	Powder	G509-71	3.35	<0.05	45.79	<0.05	1.64	2.35	0.19	1.73	<0.05	<0.08	0.05	1.42	0.10	5.78	<0.05	<0.05	39.21	

S.No	Customer Code	Sample Description	METHOD	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /05	SOP/OM /105	SOP/OM /05	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /105	SOP/OM /103
			LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.05	0.05	0.05	0.05	0.05	0.05	0.1
			UNITS	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			Lab ID	Al2O3	BaO	CaO	Cr2O3	Fe (T)	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SO3	TiO2	SiO2	SrO	V2O5	LOI
80	BLD/PBH05/72	Powder	G509-72	1.32	<0.05	51.82	<0.05	0.60	0.85	0.06	1.05	<0.05	<0.08	<0.05	0.58	<0.05	1.52	<0.05	<0.05	42.68
81	BLD/PBH05/73	Powder	G509-73	1.48	<0.05	51.95	<0.05	0.59	0.84	0.09	1.09	<0.05	<0.08	<0.05	0.65	<0.05	2.00	<0.05	<0.05	41.80
82	BLD/PBH05/74	Powder	G509-74	1.41	<0.05	52.09	<0.05	0.55	0.78	0.08	1.10	<0.05	<0.08	0.05	0.61	<0.05	1.96	<0.05	<0.05	41.84
83	BLD/PBH05/75	Powder	G509-75	1.01	<0.05	52.94	<0.05	0.53	0.75	0.07	0.94	<0.05	<0.08	0.06	0.57	<0.05	1.52	<0.05	<0.05	42.09
84	BLD/PBH05/76	Powder	G509-76	1.71	<0.05	50.78	<0.05	0.82	1.17	0.15	1.26	<0.05	<0.08	0.05	0.85	0.07	3.11	<0.05	<0.05	40.84
85	BLD/PBH05/77	Powder	G509-77	1.54	<0.05	50.25	<0.05	0.89	1.28	0.11	1.32	<0.05	<0.08	<0.05	0.76	0.05	2.82	<0.05	<0.05	41.81
86	BLD/PBH05/78	Powder	G509-78	2.09	<0.05	49.05	<0.05	1.10	1.57	0.19	1.41	<0.05	<0.08	<0.05	1.04	0.08	4.06	<0.05	<0.05	40.44
87	BLD/PBH05/79	Powder	G509-79	1.19	<0.05	51.84	<0.05	0.71	1.01	0.12	1.22	<0.05	<0.08	0.05	0.63	0.05	2.48	<0.05	<0.05	41.37
88	BLD/PBH05/80	Powder	G509-80	1.79	<0.05	50.98	<0.05	0.72	1.03	0.18	1.30	<0.05	<0.08	<0.05	0.65	0.07	3.07	<0.05	<0.05	40.88
89	BLD/PBH05/80	Powder	G509-80	1.76	<0.05	51.00	<0.05	0.72	1.02	0.15	1.34	<0.05	<0.08	<0.05	0.68	0.08	3.03	<0.05	<0.05	40.87
90	BLD/PBH05/81	Powder	G509-81	1.61	<0.05	51.06	<0.05	0.85	1.22	0.14	1.31	<0.05	<0.08	0.09	0.81	0.05	2.68	<0.05	<0.05	41.00
91	BLD/PBH05/82	Powder	G509-82	1.29	<0.05	51.65	<0.05	1.04	1.48	0.08	1.27	<0.05	<0.08	0.06	0.94	<0.05	2.16	<0.05	<0.05	41.00
92	BLD/PBH05/83	Powder	G509-83	1.87	<0.05	50.76	<0.05	0.83	1.18	0.14	1.32	<0.05	<0.08	<0.05	0.81	0.06	2.89	<0.05	<0.05	40.90
93	BLD/PBH05/84	Powder	G509-84	1.51	<0.05	51.92	<0.05	0.55	0.79	0.11	1.16	<0.05	<0.08	<0.05	0.49	<0.05	2.26	<0.05	<0.05	41.64
94	BLD/PBH05/85	Powder	G509-85	1.38	<0.05	51.92	<0.05	0.62	0.89	0.10	1.21	<0.05	<0.08	<0.05	0.51	<0.05	2.16	<0.05	<0.05	41.73
95	BLD/PBH05/86	Powder	G509-86	1.90	<0.05	50.62	<0.05	0.76	1.09	0.16	1.23	<0.05	<0.08	<0.05	0.73	0.07	3.19	<0.05	<0.05	40.95
96	BLD/PBH05/87	Powder	G509-87	1.17	<0.05	51.99	<0.05	0.69	0.99	0.09	1.20	<0.05	<0.08	<0.05	0.73	<0.05	2.15	<0.05	<0.05	41.59
97	BLD/PBH05/88	Powder	G509-88	1.86	<0.05	51.21	<0.05	0.54	0.77	0.13	1.23	<0.05	<0.08	<0.05	0.50	0.06	2.77	<0.05	<0.05	41.42
98	BLD/PBH05/89	Powder	G509-89	2.38	<0.05	49.19	<0.05	1.08	1.55	0.16	1.52	<0.05	<0.08	<0.05	0.76	0.08	3.97	<0.05	<0.05	40.34
99	BLD/PBH05/90	Powder	G509-90	1.93	<0.05	50.15	<0.05	0.97	1.38	0.15	1.43	<0.05	<0.08	<0.05	0.62	0.06	3.36	<0.05	<0.05	40.86
100	BLD/PBH05/90	Powder	G509-90	1.88	<0.05	50.17	<0.05	0.98	1.40	0.11	1.45	<0.05	<0.08	<0.05	0.65	0.09	3.34	<0.05	<0.05	40.84
101	BLD/PBH05/91	Powder	G509-91	2.05	<0.05	49.63	<0.05	1.08	1.55	0.18	1.48	<0.05	<0.08	<0.05	0.67	0.07	3.89	<0.05	<0.05	40.42
102	BLD/PBH05/92	Powder	G509-92	1.64	<0.05	50.62	<0.05	0.96	1.37	0.15	1.34	<0.05	<0.08	<0.05	0.63	0.06	3.16	<0.05	<0.05	40.96
103	BLD/PBH05/93	Powder	G509-93	2.22	<0.05	48.39	<0.05	1.56	2.24	0.20	1.57	<0.05	<0.08	0.05	1.32	0.09	4.56	<0.05	<0.05	39.35
104	BLD/PBH05/94	Powder	G509-94	2.40	<0.05	48.02	<0.05	1.50	2.15	0.23	1.56	<0.05	<0.08	<0.05	1.18	0.10	4.94	<0.05	<0.05	39.36
105	IPT-44	CRM	Meas.	0.34	-	50.51	-	0.23	0.32	-	3.02	-	-	-	0.40	-	2.71	-	-	42.88

**Abbreviations:**

SOP/OM/105: Borate Fusion Bead followed by WDXRF Finish

SOP/OM/103: Loss On Ignition followed by Gravimetry Finish

Certi. – Certified

Meas. – Measured

LOQ–Limit of Quantification

IPT-44: Certified Reference Material Standard



SATYANARAYANA - MANAGER - ORES & MINERALS - AUTHORIZED SIGNATORY.

**\*\* END OF THE REPORT \*\***

1. The results listed above pertain only to the tested samples and applicable parameters.2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.5. In case any reconfirmation of contents of this test certificate is required,please contact our office.6. Sampling is not done by us unless otherwise specified.7. Any discrepancy in the Test Certificate should be notified within 30 days.





# Test Report

Certificate No.TC-5867

Print Date : 25/02/2025

Report Control No. : BMR0000045254

Job Number : BM25-000226

Sample not Drawn by Laboratory

Sample Described by Customer as : LIMESTONE  
Customer Name : MAHESWARI MINING PRIVATE LIMITED  
Customer Address : Dima Hasao(North cachar hills)  
City : Umrangso  
State : Assam  
Sample Condition & Size : Stapled & Fines  
Sample Received Date : 20/02/2025  
Test Start Date : 20/02/2025  
DISCIPLINE : CHEMICAL

Postal Code : 788931  
Country : INDIA

Registration Date : 20/02/2025  
Test End Date : 25/02/2025

Group : Ores & Minerals : Limestone

Test Name	Test Protocol
Iron as Fe2O3%, Silica as SiO2%, Alumina as Al2O3%, Sulfur as SO3 % (on dry basis)	ASTM C1271 - 99 (Reapproved 2020)
Phosphorus as P2O5 %, Calcium oxide as CaO%, Magnesia as MgO% (on dry basis)	
Manganese as MnO%, Titania as TiO2%, Potassium as K2O %, Sodium as Na2O % (on dry basis)	
Vanadium Pentoxide as V2O5 %, Chromium Oxide as Cr2O3% (on dry basis)	
Loss of Ignition as LOI (on dry basis)%	IS:1760 (Part 1) - 1991 Reaff.2022

NABL Accredited Tests ULR No.: TC58672510000980F - TC586725100001024F Against Sample No. BM25-000226.001 - 45

Sl No.	Sample No.	Sample Mark	Sample Qty(g)	Fe2O3 %	SiO2 %	Al2O3 %	SO3 %	P2O5 %	CaO %	MgO %	MnO %	TiO2 %	K2O %	Na2O %	V2O5 %	Cr2O3 %	LOI %
1	BM25-000226.001-A	BLD/CH/01	Approx 50	-	6.64	3.14	-	0.08	42.16	3.26	0.10	0.16	0.33	-	-	-	37.40
2	BM25-000226.002-A	BLD/CH/02	Approx 50	3.06	5.22	2.33	-	0.06	47.37	1.58	-	0.11	0.19	-	-	-	38.33
3	BM25-000226.003-A	BLD/CH/03	Approx 50	0.92	2.43	1.18	-	0.03	52.38	0.97	-	0.05	0.10	-	-	-	41.20
4	BM25-000226.004-A	BLD/CH/04	Approx 50	1.03	2.76	1.28	-	0.02	51.66	1.07	-	0.05	0.12	-	-	-	41.30
5	BM25-000226.005-A	BLD/CH/05	Approx 50	2.53	6.54	2.82	-	0.04	47.06	1.45	-	0.13	0.30	-	-	-	37.80
6	BM25-000226.006-A	BLD/CH/06	Approx 50	-	-	-	-	0.05	14.54	0.97	-	0.34	-	-	-	-	-
7	BM25-000226.007-A	BLD/CH/07	Approx 50	-	-	-	-	0.05	-	1.00	-	0.61	-	-	-	-	-
8	BM25-000226.008-A	BLD/CH/08	Approx 50	-	-	-	-	0.05	-	1.03	0.02	1.06	-	-	-	-	-
9	BM25-000226.009-A	BLD/CH/09	Approx 50	-	6.89	3.65	-	0.14	38.47	2.56	0.54	0.18	0.28	-	-	-	31.71
10	BM25-000226.010-A	BLD/CH/10	Approx 50	-	5.51	2.86	-	0.24	39.11	1.87	0.12	0.15	0.19	-	-	-	32.56
11	BM25-000226.011-A	BLD/CH/11	Approx 50	-	-	-	-	0.37	-	3.15	-	1.08	-	-	-	-	-
12	BM25-000226.012-A	BLD/CH/12	Approx 50	4.54	4.97	2.27	-	0.06	45.46	2.53	0.26	0.11	0.21	-	-	-	37.61
13	BM25-000226.013-A	BLD/CH/13	Approx 50	-	9.33	4.47	-	0.14	40.49	2.64	-	0.22	0.45	-	-	-	34.73
14	BM25-000226.014-A	BLD/CH/14	Approx 50	2.01	6.32	3.13	-	0.03	46.86	1.46	-	0.15	0.30	-	-	-	38.20
15	BM25-000226.015-A	BLD/CH/15	Approx 50	1.36	3.88	1.88	-	0.03	50.04	1.16	-	0.08	0.20	-	-	-	40.17
16	BM25-000226.016-A	BLD/CH/16	Approx 50	0.81	3.06	1.52	-	0.02	51.20	1.03	-	0.06	0.15	-	-	-	41.28
17	BM25-000226.017-A	BLD/CH/17	Approx 50	4.04	5.94	3.05	-	0.06	46.39	1.31	0.01	0.14	0.31	-	-	-	37.25
18	BM25-000226.018-A	BLD/CH/18	Approx 50	2.54	10.84	-	-	0.06	42.67	1.10	-	0.25	0.48	-	-	-	35.55
19	BM25-000226.019-A	BLD/CH/19	Approx 50	-	6.70	3.59	-	0.24	39.49	2.47	0.51	0.18	0.28	-	-	-	32.55
20	BM25-000226.020-A	BLD/CH/20	Approx 50	-	6.07	3.22	-	0.27	36.59	2.03	0.13	0.17	0.21	-	-	-	31.25
21	BM25-000226.021-A	BLD/CH/21	Approx 50	-	-	-	-	0.12	-	3.09	-	1.11	-	-	-	-	-
22	BM25-000226.022-A	BLD/CH/22	Approx 50	4.85	5.55	2.52	-	0.10	44.30	2.81	0.28	0.12	0.23	-	-	-	36.98
23	BM25-000226.023-A	BLD/CH/23	Approx 50	-	11.50	-	-	0.14	36.03	4.12	-	0.26	0.58	-	-	-	33.64
24	BM25-000226.024-A	BLD/CH/24	Approx 50	2.39	5.88	2.82	-	0.04	47.06	1.62	-	0.13	0.27	-	-	-	38.36
25	BM25-000226.025-A	BLD/CH/25	Approx 50	0.92	2.93	1.41	-	0.03	51.52	1.00	-	0.06	0.14	-	-	-	41.09
26	BM25-000226.026-A	BLD/CH/26	Approx 50	1.05	2.73	1.24	-	0.02	51.83	1.06	-	0.05	0.11	-	-	-	41.11
27	BM25-000226.027-A	BLD/CH/27	Approx 50	2.10	5.17	2.39	-	0.03	48.26	1.44	-	0.11	0.27	-	-	-	39.06
28	BM25-000226.028-A	BLD/CH/28	Approx 50	-	4.77	2.83	-	0.11	40.15	2.55	-	0.14	0.16	-	-	-	34.20
29	BM25-000226.029-A	BLD/CH/29	Approx 50	4.14	4.37	2.07	-	0.05	47.31	1.62	0.27	0.10	0.14	-	-	-	37.45
30	BM25-000226.030-A	BLD/CH/30	Approx 50	-	5.78	2.90	-	0.11	45.02	1.60	0.08	0.14	0.28	-	-	-	36.16

Per Pro SGS India Private Ltd



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No decision rule is applied, when comparing the measurement result(s) with the applicable limit(s) according to the specification in the respective standard or as shared by the customer.

SGS India Pvt. Ltd.

Laboratory Services C/o - Pioneer Paper Plasta private Limited H O S 3/21, Sector -A, Zone -B Mancheswar Industrial Estate Bhubaneswar-751010, Odisha Phone/Fax:-0674 2580879

Member of the SGS Group (SGS SA)





### Test Report

Certificate No. TC-5867

Print Date : 25/02/2025

Report Control No. : BMR0000045254

Job Number : BM25-000226

Sample not Drawn by Laboratory

Sample Described by Customer as : LIMESTONE  
 Customer Name : MAHESWARI MINING PRIVATE LIMITED  
 Customer Address : Dima Hasao (North Cachar hills)  
 City : Umrangso  
 State : Assam  
 Sample Condition & Size : Stapled & Fines  
 Sample Received Date : 20/02/2025  
 Test Start Date : 20/02/2025  
 DISCIPLINE : CHEMICAL

Postal Code : 788931  
 Country : INDIA

Registration Date : 20/02/2025

Test End Date : 25/02/2025

Group : Ores & Minerals : Limestone

Test Name	Test Protocol
Iron as Fe2O3%, Silica as SiO2%, Alumina as Al2O3%, Sulfur as SO3 % (on dry basis)	ASTM C1271 - 99 (Reapproved 2020)
Phosphorus as P2O5 %, Calcium oxide as CaO%, Magnesia as MgO% (on dry basis)	
Manganese as MnO%, Titania as TiO2%, Potassium as K2O %, Sodium as Na2O % (on dry basis)	
Vanadium Pentoxide as V2O5 %, Chromium Oxide as Cr2O3% (on dry basis)	
Loss of Ignition as LOI (on dry basis)%	IS:1760 (Part 1) - 1991 Reaff.2022

NABL Accredited Tests ULR No.: TC586725100000980F - TC586725100001024F Against Sample No. BM25-000226.001 - 45

SI No.	Sample No.	Sample Mark	Sample Qty(g)	Fe2O3 %	SiO2 %	Al2O3 %	SO3 %	P2O5 %	CaO %	MgO %	MnO %	TiO2 %	K2O %	Na2O %	V2O5 %	Cr2O3 %	LOI %
31	BM25-000226.031-A	BLD/CH/31	Approx 50	3.44	8.58	3.21	-	0.04	43.34	2.64	0.02	0.16	0.35	-	-	-	36.78
32	BM25-000226.032-A	BLD/CH/32	Approx 50	4.63	6.66	3.00	-	0.09	43.41	3.06	0.10	0.15	0.34	-	-	-	37.32
33	BM25-000226.033-A	BLD/CH/33	Approx 50	3.55	6.19	2.84	-	0.06	45.65	1.77	-	0.14	0.25	-	-	-	37.75
34	BM25-000226.034-A	BLD/CH/34	Approx 50	0.76	1.85	0.88	-	0.03	53.25	0.93	-	0.03	0.08	-	-	-	41.52
35	BM25-000226.035-A	BLD/CH/35	Approx 50	1.23	2.58	1.22	-	0.03	51.61	1.09	-	0.05	0.12	-	-	-	40.98
36	BM25-000226.036-A	BLD/CH/36	Approx 50	2.35	5.08	2.39	-	0.04	48.05	1.46	-	0.11	0.23	-	-	-	38.85
37	BM25-000226.037-A	BLD/CH/37	Approx 50	-	-	-	-	0.11	-	2.60	-	1.02	-	-	-	-	-
38	BM25-000226.038-A	BLD/CH/38	Approx 50	-	5.14	2.69	-	0.08	44.75	1.77	0.38	0.13	0.21	-	-	-	36.16
39	BM25-000226.039-A	BLD/CH/39	Approx 50	-	7.25	3.89	-	0.26	35.81	2.26	0.11	0.20	0.29	-	-	-	30.78
40	BM25-000226.040-A	BLD/CH/40	Approx 50	-	-	-	-	0.33	26.16	2.73	-	0.50	-	-	-	-	-
41	BM25-000226.041-A	BLD/CH/41	Approx 50	2.48	4.03	1.83	-	0.03	48.59	1.45	0.14	0.08	0.18	-	-	-	39.27
42	BM25-000226.042-A	BLD/CH/42	Approx 50	4.59	9.22	4.27	-	0.10	41.18	2.95	-	0.21	0.43	-	-	-	35.74
43	BM25-000226.043-A	BLD/CH/43	Approx 50	1.80	4.48	2.11	-	0.03	49.00	1.47	-	0.10	0.17	-	-	-	39.80
44	BM25-000226.044-A	BLD/CH/44	Approx 50	1.03	3.17	1.54	-	0.02	51.18	1.13	-	0.07	0.19	-	-	-	40.90
45	BM25-000226.045-A	BLD/CH/45	Approx 50	1.42	3.50	1.60	-	0.03	50.63	1.24	-	0.07	0.15	-	-	-	40.66

Per Pro SGS India Private Ltd.



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## Test Report

Job Number : BM25-000226

Print Date : 25/02/2025  
Report Control No. : BMR0000045254

Sample Described by Customer as : LIMESTONE  
Customer Name : MAHESWARI MINING PRIVATE LIMITED  
Customer Address : Dima Hasao(North cachar hills)  
City : Umrangso  
State : Assam  
Sample Condition & Size : Stapled & Fines  
Sample Received Date : 20/02/2025  
Test Start Date : 20/02/2025  
DISCIPLINE : CHEMICAL

Sample not Drawn by Laboratory

Postal Code : 788931  
Country : INDIA

Registration Date : 20/02/2025  
Test End Date : 25/02/2025

Group : Ores & Minerals : Limestone

Test Name	Test Protocol
Iron as Fe2O3%, Silica as SiO2%, Alumina as Al2O3%, Sulfur as SO3 % (on dry basis)	ASTM C1271 - 99 (Reapproved 2020)
Phosphorus as P2O5 %, Calcium oxide as CaO%, Magnesia as MgO% (on dry basis)	
Manganese as MnO%, Titania as TiO2%, Potassium as K2O %, Sodium as Na2O % (on dry basis)	
Vanadium Pentoxide as V2O5 %, Chromium Oxide as Cr2O3% (on dry basis)	
Loss of Ignition as LOI (on dry basis)%	IS:1760 (Part 1) - 1991 Reaff 2022

### Non-Accredited Tests

SI No.	Sample No.	Sample Mark	Sample Qty(g)	Fe2O3 %	SiO2 %	Al2O3 %	SO3 %	P2O5 %	CaO %	MgO %	MnO %	TiO2 %	K2O %	Na2O %	V2O5 %	Cr2O3 %	LOI %
1	BM25-000226.001-B	BLD/CH/01	Approx 50	5.95	-	-	0.51	-	-	-	-	-	-	0.02	0.01	<0.01	-
2	BM25-000226.002-B	BLD/CH/02	Approx 50	-	-	-	1.46	-	-	-	<0.01	-	-	0.07	<0.01	<0.01	-
3	BM25-000226.003-B	BLD/CH/03	Approx 50	-	-	-	0.67	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-
4	BM25-000226.004-B	BLD/CH/04	Approx 50	-	-	-	0.53	-	-	-	<0.01	-	-	0.03	<0.01	<0.01	-
5	BM25-000226.005-B	BLD/CH/05	Approx 50	-	-	-	1.16	-	-	-	<0.01	-	-	0.01	<0.01	<0.01	-
6	BM25-000226.006-B	BLD/CH/06	Approx 50	5.82	55.72	6.28	2.37	-	-	-	<0.01	-	1.16	0.02	0.02	<0.01	12.50
7	BM25-000226.007-B	BLD/CH/07	Approx 50	5.45	66.64	11.54	1.94	-	3.67	-	<0.01	-	1.94	0.07	<0.01	<0.01	6.49
8	BM25-000226.008-B	BLD/CH/08	Approx 50	7.25	51.44	20.87	1.64	-	0.81	-	-	-	2.12	0.03	0.01	0.02	13.42
9	BM25-000226.009-B	BLD/CH/09	Approx 50	12.03	-	-	3.28	-	-	-	-	-	-	0.02	0.03	<0.01	-
10	BM25-000226.010-B	BLD/CH/10	Approx 50	15.72	-	-	1.31	-	-	-	-	-	-	0.03	0.04	<0.01	-
11	BM25-000226.011-B	BLD/CH/11	Approx 50	11.31	48.83	21.32	1.07	-	0.89	-	<0.01	-	2.95	0.54	0.04	0.01	8.08
12	BM25-000226.012-B	BLD/CH/12	Approx 50	-	-	-	1.68	-	-	-	-	-	-	<0.01	<0.01	<0.01	-
13	BM25-000226.013-B	BLD/CH/13	Approx 50	6.93	-	-	0.44	-	-	-	<0.01	-	-	0.03	0.02	<0.01	-
14	BM25-000226.014-B	BLD/CH/14	Approx 50	-	-	-	1.34	-	-	-	<0.01	-	-	0.04	0.01	<0.01	-
15	BM25-000226.015-B	BLD/CH/15	Approx 50	-	-	-	1.01	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-
16	BM25-000226.016-B	BLD/CH/16	Approx 50	-	-	-	0.48	-	-	-	<0.01	-	-	0.02	<0.01	<0.01	-
17	BM25-000226.017-B	BLD/CH/17	Approx 50	-	-	-	1.29	-	-	-	-	-	-	<0.01	0.01	0.01	-
18	BM25-000226.018-B	BLD/CH/18	Approx 50	-	-	5.12	1.03	-	-	-	<0.01	-	-	0.02	<0.01	<0.01	-
19	BM25-000226.019-B	BLD/CH/19	Approx 50	11.10	-	-	2.69	-	-	-	-	-	-	0.01	0.03	<0.01	-
20	BM25-000226.020-B	BLD/CH/20	Approx 50	18.65	-	-	1.08	-	-	-	-	-	-	0.02	0.06	0.02	-
21	BM25-000226.021-B	BLD/CH/21	Approx 50	11.18	49.09	21.80	0.88	-	0.22	-	<0.01	-	3.16	0.76	0.03	0.02	7.84
22	BM25-000226.022-B	BLD/CH/22	Approx 50	-	-	-	1.93	-	-	-	-	-	-	0.03	<0.01	<0.01	-
23	BM25-000226.023-B	BLD/CH/23	Approx 50	7.90	-	5.08	0.31	-	-	-	<0.01	-	-	0.08	0.02	<0.01	-
24	BM25-000226.024-B	BLD/CH/24	Approx 50	-	-	-	1.25	-	-	-	<0.01	-	-	0.01	<0.01	<0.01	-
25	BM25-000226.025-B	BLD/CH/25	Approx 50	-	-	-	0.63	-	-	-	<0.01	-	-	<0.01	<0.01	<0.01	-
26	BM25-000226.026-B	BLD/CH/26	Approx 50	-	-	-	0.58	-	-	-	<0.01	-	-	0.03	<0.01	<0.01	-
27	BM25-000226.027-B	BLD/CH/27	Approx 50	-	-	-	0.92	-	-	-	<0.01	-	-	0.02	<0.01	<0.01	-
28	BM25-000226.028-B	BLD/CH/28	Approx 50	10.65	-	-	2.78	-	-	-	1.24	-	-	<0.01	0.04	<0.01	-
29	BM25-000226.029-B	BLD/CH/29	Approx 50	-	-	-	2.33	-	-	-	-	-	-	<0.01	0.01	<0.01	-
30	BM25-000226.030-B	BLD/CH/30	Approx 50	6.26	-	-	1.51	-	-	-	-	-	-	0.01	0.02	<0.01	-

Per Pro SGS India Private Ltd.



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## Test Report

Job Number : BM25-000226

Print Date : 25/02/2025  
Report Control No. : BMR0000045254

Sample Described by Customer as : LIMESTONE  
Customer Name : MAHESWARI MINING PRIVATE LIMITED  
Customer Address : Dima Hasao(North cachar hills)  
City : Umrangso  
State : Assam  
Sample Condition & Size : Stapled & Fines  
Sample Received Date : 20/02/2025  
Test Start Date : 20/02/2025  
DISCIPLINE : CHEMICAL

Postal Code : 788931  
Country : INDIA

Registration Date : 20/02/2025  
Test End Date : 25/02/2025

Group : Ores & Minerals : Limestone

Test Name	Test Protocol
Iron as Fe2O3%, Silica as SiO2%, Alumina as Al2O3%, Sulfur as SO3 % (on dry basis)	ASTM C1271 - 99 (Reapproved 2020)
Phosphorus as P2O5 %, Calcium oxide as CaO%, Magnesia as MgO% (on dry basis)	
Manganese as MnO%, Titania as TiO2%, Potassium as K2O %, Sodium as Na2O % (on dry basis)	
Vanadium Pentoxide as V2O5 %, Chromium Oxide as Cr2O3% (on dry basis)	
Loss of Ignition as LOI (on dry basis)%	IS:1760 (Part 1) - 1991 Reaff 2022

### Non-Accredited Tests

SI No.	Sample No.	Sample Mark	Sample Qty(g)	Fe2O3 %	SiO2 %	Al2O3 %	SO3 %	P2O5 %	CaO %	MgO %	MnO %	TiO2 %	K2O %	Na2O %	V2O5 %	Cr2O3 %	LOI %
31	BM25-000226.031-B	BLD/CH/31	Approx 50	-	-	-	1.23	-	-	-	-	-	-	0.04	<0.01	<0.01	-
32	BM25-000226.032-B	BLD/CH/32	Approx 50	-	-	-	0.63	-	-	-	-	-	-	0.06	0.01	<0.01	-
33	BM25-000226.033-B	BLD/CH/33	Approx 50	-	-	-	1.34	-	-	-	<0.01	-	-	0.07	<0.01	<0.01	-
34	BM25-000226.034-B	BLD/CH/34	Approx 50	-	-	-	0.52	-	-	-	<0.01	-	-	0.04	<0.01	<0.01	-
35	BM25-000226.035-B	BLD/CH/35	Approx 50	-	-	-	0.82	-	-	-	<0.01	-	-	0.04	<0.01	<0.01	-
36	BM25-000226.036-B	BLD/CH/36	Approx 50	-	-	-	1.23	-	-	-	<0.01	-	-	0.04	<0.01	<0.01	-
37	BM25-000226.037-B	BLD/CH/37	Approx 50	9.69	48.40	20.16	0.89	-	2.63	-	<0.01	-	3.04	0.17	0.03	<0.01	10.98
38	BM25-000226.038-B	BLD/CH/38	Approx 50	6.56	-	-	1.78	-	-	-	-	-	-	0.04	0.01	<0.01	-
39	BM25-000226.039-B	BLD/CH/39	Approx 50	18.10	-	-	0.76	-	-	-	-	-	-	0.02	0.05	<0.01	-
40	BM25-000226.040-B	BLD/CH/40	Approx 50	10.41	22.64	9.94	0.61	-	-	-	<0.01	-	1.25	0.21	0.02	<0.01	24.68
41	BM25-000226.041-B	BLD/CH/41	Approx 50	-	-	-	1.60	-	-	-	-	-	-	0.05	<0.01	<0.01	-
42	BM25-000226.042-B	BLD/CH/42	Approx 50	-	-	-	0.73	-	-	-	<0.01	-	-	0.05	0.02	<0.01	-
43	BM25-000226.043-B	BLD/CH/43	Approx 50	-	-	-	0.80	-	-	-	<0.01	-	-	0.03	<0.01	<0.01	-
44	BM25-000226.044-B	BLD/CH/44	Approx 50	-	-	-	0.61	-	-	-	<0.01	-	-	0.05	<0.01	<0.01	-
45	BM25-000226.045-B	BLD/CH/45	Approx 50	-	-	-	0.55	-	-	-	<0.01	-	-	0.02	<0.01	<0.01	-

Per Pro SGS India Private Ltd



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## Test Report

Certificate No. TC-5867

Job Number : BM25-000228

Print Date : 25/02/2025  
Report Control No. : BMR0000045255

Sample Described by Customer as : LIMESTONE Sample not Drawn by Laboratory

Customer Name : MAHESWARI MINING PRIVATE LIMITED  
Customer Address : Dima Hasao (North Cachar hills)  
City : Umrangso  
State : Assam  
Sample Condition & Size : Stapled & Fines  
Sample Received Date : 20/02/2025  
Test Start Date : 20/02/2025  
DISCIPLINE : CHEMICAL

Postal Code : 788931  
Country : INDIA

Registration Date : 20/02/2025  
Test End Date : 25/02/2025

Group : Ores & Minerals : Limestone

Test Name	Test Protocol
Iron as Fe2O3%, Silica as SiO2%, Alumina as Al2O3%, Sulfur as SO3 % (on dry basis)	ASTM C1271 - 99 (Reapproved 2020)
Phosphorus as P2O5 %, Calcium oxide as CaO%, Magnesia as MgO% (on dry basis)	
Manganese as MnO%, Titania as TiO2%, Potassium as K2O %, Sodium as Na2O % (on dry basis)	
Vanadium Pentoxide as V2O5 %, Chromium Oxide as Cr2O3% (on dry basis)	
Loss of Ignition as LOI (on dry basis)%	IS:1760 (Part 1) - 1991 Reaff. 2022

NABL Accredited Tests ULR No.: TC586725100001025F - TC586725100001029F Against Sample No. BM25-000228.001 - 05

SI No.	Sample No.	Sample Mark	Sample Qty(g)	Fe2O3 %	SiO2 %	Al2O3 %	SO3 %	P2O5 %	CaO %	MgO %	MnO %	TiO2 %	K2O %	Na2O %	V2O5 %	Cr2O3 %	LOI %
1	BM25-000228.001-A	BLD-06	Approx 50	1.12	3.87	1.78	-	0.01	50.53	1.27	-	0.08	0.16	-	-	-	40.53
2	BM25-000228.002-A	BLD-12	Approx 50	0.68	1.55	0.78	-	0.02	53.74	0.89	-	0.03	0.07	-	-	-	42.03
3	BM25-000228.003-A	BLD-21	Approx 50	-	3.50	1.51	-	0.10	48.38	1.19	0.32	0.07	0.11	-	-	-	38.91
4	BM25-000228.004-A	BLD-26	Approx 50	4.59	2.64	1.09	-	0.08	49.84	1.03	0.15	0.05	0.09	-	-	-	40.19
5	BM25-000228.005-A	BLD-35	Approx 50	2.35	2.92	1.44	-	0.04	50.84	0.96	0.37	0.06	0.12	-	-	-	40.81

Per Pro SGS India Private Ltd





TEST REPORT				
<b>Customer Name</b>		<b>Maheshwari Mining Pvt Limited-Chattisgarh Hiuse No. 92/1 Near Bus Stand Mainpath Vill and Po-Narmadapur, Mainpath-497111</b>		
<b>Discipline &amp; Group</b>		<b>Chemical &amp; Ores and Minerals.</b>		
<b>Customer Ref.</b>		<b>Samples Received by courier</b>		
<b>Commodity</b>		<b>Geological Rock Powders</b>		
<b>Lab ID</b>		<b>G9846.</b>		
<b>Sample Receipt Date</b>		<b>20-Feb-25</b>		
<b>Analysis Completion Date</b>		<b>22-Feb-25</b>		
<b>Date of Reporting</b>		<b>22-Feb-25</b>		
<b>Sample Count</b>		<b>3</b>		
Sl. No.	Customer Code	Customer Description	<b>METHOD</b>	<b>SOP/OM/094</b>
			<b>UNITS</b>	<b>gm/cm3</b>
			<b>Lab ID</b>	<b>Bulk Density</b>
<b>1</b>	<b>BLD/PBH02/93</b>	<b>Powder</b>	<b>G621-1</b>	<b>2.48</b>
<b>2</b>	<b>BLD/PBH01/15</b>	<b>Powder</b>	<b>G621-2</b>	<b>2.61</b>
<b>3</b>	<b>BLD/PBH04/54</b>	<b>Powder</b>	<b>G621-3</b>	<b>2.49</b>



**SATYANARAYANA -MANAGER - ORES & MINERALS**  
**AUTHORISED SIGNATORY.**

<b>** END OF THE REPORT **</b>	
<p>1. The results listed above pertain only to the tested samples and applicable parameters.2. Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used inany advertising media without prior written permission.5. In case any reconfirmation of contents of this test certificate is required,please contact our office.6. Sampling is not done by us unless otherwise specified.7. Any discrepancy in the Test Certificate should be notified within 30 days.</p>	