

# TEST RESULTS OF BAUXITE SAMPLES



Issued to:  
The Director,  
Critical Mineral trackers,  
# Con course No 406,7-1-58/cc/406,  
opp Lal Bungalow,Green lands ,Hyderabad-500016, INDIA.

Report No : LL/25-26/001204 (1-15)  
Report Issue Date : 29.05.2025  
Date of Receipt of Sample : 02.05.2025  
Date of Starting of Analysis : 03.05.2025  
Date of Completing of Analysis : 29.05.2025

Customer Ref Letter: CMT/Lucid/01/2025 Dated: 30.04.2025

Sample Particulars: Bauxite Samples.  
Block Name : Nadapa,  
Sample Qty : 500g x 15 N  
Test Parameters: Rare Earth Elements & Gallium

Sl.No	Lab. No.	Sample No	Cerium as Ce	Dysprosium as Dy	Erbium as Er	Europium as E	Gadolinium as Gd	Holmium as Ho	Lanthanum as La	Lutetium as Lu	Neodymium as Nd	Praseodymium as Pr	Samarium as Sm	Scandium as Sc	Terbium as Tb	Thorium as Th	Thulium as Tm	Yttrium as Yb	Yttrium as Y	Uranium as U	Gallium as Ga
			(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
1	LL/25-26/001204/01	P1/NB/2025	73.85	3.30	6.55	1.48	7.30	<1.0	36.05	<1.0	69.25	9.50	5.23	15.43	<1.0	21.58	<1.0	2.95	23.23	<1.0	26.65
2	LL/25-26/001204/04	P4/NB/2025	79.05	2.35	5.45	1.25	6.33	<1.0	36.85	<1.0	68.38	9.98	5.50	10.93	<1.0	51.93	<1.0	2.80	17.93	<1.0	17.23
3	LL/25-26/001204/05	P5/NB/2025	59.73	<1.0	6.40	<1.0	5.78	<1.0	26.98	<1.0	61.80	7.70	3.60	5.70	<1.0	37.70	<1.0	2.88	11.53	1.75	9.58
4	LL/25-26/001204/07	P7/NB/2025	63.90	1.55	5.40	1.05	8.48	<1.0	31.90	<1.0	63.18	10.18	4.50	9.25	<1.0	35.50	<1.0	4.15	15.93	7.85	17.35
5	LL/25-26/001204/25	P11/NB/2025	134.75	3.28	7.55	1.10	11.48	<1.0	59.85	<1.0	103.43	16.18	9.55	8.85	<1.0	100.05	<1.0	3.55	22.20	<1.0	16.33
6	LL/25-26/001204/32	T2/NB/2025/07	64.98	1.85	6.05	1.15	8.70	<1.0	30.48	<1.0	66.53	10.05	4.88	9.03	<1.0	42.00	<1.0	3.05	16.65	8.38	17.53
7	LL/25-26/001204/40	P12/NB/2025	83.60	2.20	6.93	1.15	7.43	<1.0	40.35	<1.0	79.30	11.18	5.68	10.60	<1.0	49.05	<1.0	3.83	18.83	<1.0	21.05
8	LL/25-26/001204/41	P13/NB/2025	57.50	1.95	5.60	1.13	10.13	<1.0	27.70	1.10	60.70	10.85	4.63	12.00	<1.0	42.28	<1.0	3.35	18.33	18.80	20.78
9	LL/25-26/001204/43	P15/NB/2025	78.20	2.35	6.00	1.45	7.40	<1.0	40.83	<1.0	72.88	10.35	5.70	12.08	<1.0	33.73	<1.0	3.43	19.08	<1.0	24.33
10	LL/25-26/001204/45	P17/NB/2025	98.60	3.50	7.38	1.70	9.25	<1.0	49.25	<1.0	84.75	12.50	7.13	15.63	<1.0	38.23	<1.0	4.18	24.88	<1.0	25.80
11	LL/25-26/001204/54	T3/NB/2025/09	59.08	<1.0	5.33	<1.0	5.65	<1.0	28.30	<1.0	62.58	6.13	3.68	6.58	<1.0	43.78	<1.0	2.73	11.38	<1.0	11.53
12	LL/25-26/001204/78	T5/NB/2025/04	36.73	0.93	3.08	<1.0	24.65	<1.0	18.15	3.10	36.90	22.68	4.33	5.03	<1.0	86.40	<1.0	7.03	14.25	131.95	18.60
13	LL/25-26/001204/87	T5/NB/2025/C	83.20	3.80	5.93	1.98	7.28	<1.0	41.60	<1.0	72.63	10.35	6.63	11.23	<1.0	32.05	<1.0	3.15	22.33	<1.0	17.95
14	LL/25-26/001204/89	P19/NB/2025	96.53	3.68	5.58	2.25	44.55	<1.0	46.88	5.43	64.38	48.55	11.70	11.90	<1.0	129.03	<1.0	9.23	25.33	245.10	31.58
15	LL/25-26/001204/90	P20/NB/2025	99.08	3.85	6.80	1.75	8.75	<1.0	51.35	<1.0	82.38	12.53	7.38	15.53	<1.0	26.88	<1.0	3.50	26.28	<1.0	23.63

Test Method: SOP OM-08 & OM-12 (Instrument Used:ICP-OES)  
Note :The above results are expressed as on dry basis.

*Alwin*  
Reviewed by

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Dr.R.Krishna Moorthy  
AUTHORISED SIGNATORY

