Central Laboratory - Sy No.34,Cheeriyal (V), Keesara (M), Greater Hyderabad-501301.
Ph:- 04071217121

Patient Name	: Miss. VANIESHRA	Reg. No.	: 00261903190075
Age and Sex	: 13 Yrs / Female	PCC Code	: PCL-HR-075
Referring Doctor	: KOS LAB AMBALA	Sample Drawn Date	: 19-Mar-2019 09:00 AM
Referring Customer	: KOS LAB AMBALA	Registration Date	: 21-Mar-2019 05:17 AM
Vial ID	: H1857409	Report Date	: 23-Mar-2019 02:37 PM
Sample Type	: *Serum*	Report Status	: Final Report
Client Address	: *1936 , NEW HOUSING BOARD COLONY , NEAR BADA PARK. PANIPAT*		

CHROMATOGRAPHY

Test Name	Obtained Value	Units	Bio. Ref. Intervals(Age/Gender specific)
***Aluminium**	8.03	µg/L	Refer to Interpretation

Interpretation:

REFERENCE GROUP	REFERENCE RANGE (µg/L)
Normal individuals	< 15
On hemodialysis	< 40
Toxicity	> 50

- Serum aluminum concentrations are likely to be increased above the reference range in patients with metallic joint prosthesis.
- Brain deposition has been implicated as a cause of dialysis dementia. In bone, aluminum replaces calcium at the mineralization front, disrupting normal osteoid formation.
- Deposition of aluminum in bone also interrupts normal calcium exchange. The calcium in bone becomes unavailable for resorption back into blood under the physiologic control of parathyroid hormone (PTH) and results in secondary hyperparathyroidism.

Method : AAS-Graphite Furnale-Zeeman

Correlate Clinically.

*** End Of Report ***

DR. P SATYANARYANA
MD BIOCHEMISTRY