

Laboratory Radioanalytical Laboratory, BRIT-BARC Vashi Complex, Sector-20,
Vashi, Navi Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6665

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Validity 29.09.2018 to 28.09.2020

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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RADIOLOGICAL TESTING

I.	FOOD AND AGRICULTURE PRODUCTS			
1.	Grains, Meat, Sugar, Milk Products, Packed Food Products	¹³⁷ Cs & ¹³⁴ Cs Content	IAEA Technical Report Series No 295:1989 (gamma spectroscopy by NaI(Tl) detector)	0.6 Bq/kg to 1065 Bq/kg
II.	SOIL			
1.	Environmental Samples (Coal, Flyash, Rock Phosphate, Gypsum, Soil)	²³⁸ U ²³² Th ²²⁶ Ra ⁴⁰ K	IAEA technical Report Series No 295:1989 & AERB Standard Analytical Methods for measurement of radionuclide content in commodities(2003)- (by HPGe gamma spectroscopy)	7.1 Bq/kg to 5000 Bq/kg 0.45 Bq/kg to 5000 Bq/kg 1.23 Bq/kg to 5000 Bq/kg 6.0 Bq/kg to 7000 Bq/kg
III.	WATER			
1.	Surface, Ground Drinking Water & Packed drinking water	Gross alpha Gross beta	IS 14194 (Part-2):2013 IS 14194 (Part-1):2013	0.006 Bq/l to 1.0 Bq/l 0.2 Bq/l to 5.0 Bq/l