



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MODERNTTEST CENTER, NEELANCHAL NAGAR, BERHAMPUR, GANJAM, ODISHA, INDIA
 Accreditation Standard ISO/IEC 17025:2017
 Certificate Number TC-5312 Page No. : 1 / 2
 Validity 28/01/2019 to 27/01/2021 Last Amended on -

| S.No | Discipline / Group | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing/ Limits of Detection |
|---------------------------|----------------------------------|--|-------------------------|---|---------------------------------------|
| Permanent Facility | | | | | |
| 1 | RADIOLOGICAL- FOOD & AGRICULTURE | Food for consumption of Human,Animal And Birds | Sr-90 | BARC/2008/E/023: 2008 | 3.276 Bq to 3000 Bq |
| 2 | RADIOLOGICAL- FOOD & AGRICULTURE | Food material for consumption | I-131 | BARC/2008/E/023: 2008 | 10.719 Bq to 3000 Bq |
| 3 | RADIOLOGICAL- FOOD & AGRICULTURE | Food materials (for consumption of Human being, Animals, & Birds) | Cs-137 | BARC/2008/E/023: 2008 | 4.964 Bq to 3000 Bq |
| 4 | RADIOLOGICAL- FOOD & AGRICULTURE | Food materials for consumption of Human ,Animals & Birds | Cs-134 | BARC/2008/E/023: 2008 | 7.300 Bq to 3000 Bq |
| 5 | RADIOLOGICAL- SOIL | coal/coke | Thorium | BARC/2008/E/023: 2008 | 35.182 Bq to 3000 Bq |
| 6 | RADIOLOGICAL- SOIL | Coal/Coke | Uranium | BARC/2008/E/023: 2008 | 12.985 Bq to 3000 Bq |
| 7 | RADIOLOGICAL- SOIL | Fly Ash | Thorium | BARC/2008/E/023: 2008 | 35.182 Bq to 3000 Bq |
| 8 | RADIOLOGICAL- SOIL | Fly Ash | Uranium | BARC/2008/E/023: 2008 | 12.985 Bq to 3000 Bq |
| 9 | RADIOLOGICAL- SOIL | Ore | Thorium | BARC/2008/E/023: 2008 | 35.182 Bq to 3000 Bq |
| 10 | RADIOLOGICAL- SOIL | Ore | Uranium | BARC/2008/E/023: 2008 | 12.985 Bq to 3000 Bq |
| 11 | RADIOLOGICAL- SOIL | Soil | Gross Beta | IS 14194 part1: 2013 | 0.151 Bq to 3000 Bq |
| 12 | RADIOLOGICAL- SOIL | Soil | Thorium | BARC/2008/E/023: 2008 | 35.182 Bq to 3000 Bq |



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|------|---------------------|----------------------------|---|---|---------------------------------------|
| 13 | RADIOLOGICAL- SOIL | Soil | Uranium | BARC/2008/E/023: 2008 | 12.985 Bq to 3000 Bq |
| 14 | RADIOLOGICAL- WATER | water | Cs-134 | BARC/2008/E/023: 2008 | 7.300 Bq to 3000 Bq |
| 15 | RADIOLOGICAL- WATER | Water | Cs-137 | BARC/2008/E/023: 2008 | 4.964 Bq to 3000 Bq |
| 16 | RADIOLOGICAL- WATER | water | Gross Alpha | IS14194 Part2: 2013 | 0.003 Bq to 1000 Bq |
| 17 | RADIOLOGICAL- WATER | water | Gross Alpha (With out Radon & Thoron) | IS 14194 Part2: 2013 | 0.003 Bq to 1000 Bq |
| 18 | RADIOLOGICAL- WATER | Water | Gross Beta | IS 14194 Part 1: 2013 | 0.151 Bq to 3000 Bq |
| 19 | RADIOLOGICAL- WATER | Water | I-131 | BARC/2008/E/023: 2008 | 4.633 Bq to 3000 Bq |
| 20 | RADIOLOGICAL- WATER | Water | Ra-226 | BARC/2008/E/023: 2008 | 0.0004 Bq to 3000 Bq |
| 21 | RADIOLOGICAL- WATER | Water | Ra-228 | BARC/2008/E/023: 2008 | 0.0200 Bq to 3000 Bq |
| 22 | RADIOLOGICAL- WATER | Water | Sr-90 | BARC/2008/E/023: 2008 | 14.820 Bq to 3000 Bq |
| 23 | RADIOLOGICAL- WATER | water | Thorium | BARC/2008/E/023: 2008 | 35.182 Bq to 3000 Bq |
| 24 | RADIOLOGICAL- WATER | Water | Uranium | BARC/2008/E/023: 2008 | 12.985 Bq to 3000 Bq |