

Analytical Food Testing Laboratory
Agricultural and Food Engineering Department
Indian Institute of Technology, Kharagpur 721 302, India

Analytical Food Testing Laboratory is established at the Indian Institute of Technology, Kharagpur from the grant provided by the Government of India, Ministry of Food Processing Industries, New Delhi.

The laboratory is equipped with most modern equipment used in Food Research and development work. At present following instruments have been installed and commissioned:

1. LC-MS/MS: Waters Micromass Quattro Micro API Mass Spectrometer
2. GC-MS/MS: Agilent Inert GCMS system with FID, TCD, μ ECD, HSS with split/splitless injector, NIST05, GCMS data system
3. Spectrophotometer: Agilent Diode Array UV/VIS Spectrophotometer

With this setup the laboratory is capable of analyzing following quality parameters of food materials:

Sl. No.	Parameter	Testing fee per sample (INR)	Sl. No.	Parameter	Testing fee per sample (INR)
1	Amylose content	1000.00	10	Vitamins	
2	Free Sugar	500.00		Niacin	2000.00
3	Total carbohydrate	500.00		Riboflavin	2000.00
4	Protein and amino acids composition	1000.00		Thiamine	2000.00
5	Shelf life	2500.00		Pantothenic acid	2000.00
6	Residual Insecticides, pesticides and fungicides residues	2000.00		Pyridoxine	2000.00
7	Calorific value	1000.00		Folic acid	2000.00
8	Glycemic Index	10000.00	11	Label certification	5000.00
9	Mycotoxins	2500.00	12	Milling quality of rice	500.00

Note:

1. Sample quantity: 500 g
2. Reporting time: 8 working days

3. Service Tax: 12.5%
4. Terms of Payment: 100% in advance
5. Payable in favor of: SRIC IIT Kharagpur
6. Validity of rates: One year
7. The test results will provide the molecular structure of the ingredient analyzed by LC-MS/MS and GC-MS/MS

For details and any other information please contact the following:

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