



பெரியார் பல்கலைக்கழகம்

PERIYAR UNIVERSITY

SALEM- 636011, TAMIL NADU

NAAC A++ Grade - State University - NIRF Rank 73 ARIIA Rank-10

Phone: 0427- 2345766, 2346268, 2346269 Fax: 0427- 2345124 Website: www.periyaruniversity.ac.in

GSTIN: 33AAAJP0951B1ZP



முனைவர் குதங்கவேல்

பதிவாளர் (மு.கூ.பொ.)

1

No. PU/R/R13-2/FNS/Food Composition Analysis/21F30546/011682/2021 / Dt.17-03-2022

Consultancy on Food Composition Analysis – Revised Price List:

Sl. No.	Parameters	Price in ₹.	
		Periyar University	Others
1.	Physical Properties		
	1. Bulk density	70.00	90.00
	2. Length, Breadth, and Thickness	90.00	100.00
	3. Angle of Repose, Sphericity, and Equivalent Diameter	90.00	100.00
	4. 1000 Grain Diameter	120.00	150.00
2.	Functional Properties		
	1. Water absorption capacity	70.00	90.00
	2. Oil absorption capacity	80.00	100.00
	3. Swelling power	70.00	90.00
	4. Emulsification capacity	230.00	300.00
	5. Foaming capacity	50.00	60.00
3.	Chemical Properties		
	1. PH	100.00	120.00
	2. Titerable acidity	100.00	120.00
	3. Brix <sup>o</sup> value	40.00	50.00
	4. Phyto Chemical Screening	1,000.00	1,200.00
	5. Iodine Number	220.00	300.00
	6. Saponification Number	220.00	300.00

Sl. No.	Parameters	Price in ₹.	
		Periyar University	Others
4.	<b>Nutritional Composition</b>		
	1. Moisture	170.00	210.00
	2. Ash	170.00	210.00
	3. Protein (Minimum 5 samples)** – Kjeldahl method	2,500.00	3,000.00
	4. Fat (Minimum 5 samples)** – Soxhlet method	3,000.00	3,600.00
	5. Carbohydrate (difference method)*	110.00	150.00
	6. Crude fiber	450.00	550.00
	7. Vitamin C	220.00	300.00
5.	<b>Instrumental Analysis</b>		
	1. Pasting properties using RVA	900.00	1,100.00
	2. Gelatinization characteristics using DSC	1,600.00	2,000.00
	3. Thermal property using DSC	1,600.00	2,000.00
	4. Retrogradation property using DSC	1,600.00	2,000.00
	5. Alpha Amylase activity(RVA)	900.00	1,100.00
	6. Minerals (Calcium, Iron, Zinc, Copper, Molybdenum, Phosphorus) Using AAS – rate per element	450.00	600.00
	7. Sugar profile using HPLC	3,000.00	3,600.00
	8. Brookfield Viscometer–Viscosity	250.00	300.00
	9. Hunter–lab Colorimeter	100.00	150.00
	10. Spray Dryer	750.00	1,000.00
	11. Freeze Dryer	500.00	600.00
	12. Rotary Vacuum Evaporator	750.00	1,000.00
	13. UV–Vis–Spectrophotometer	100.00	150.00
	14. Body Composition Analyzer	500.00	600.00

Sl. No.	Parameters	Price in ₹.	
		Periyar Univer- sity	Others
6.	<b>Microbial Analysis (Department of Microbiology)</b>		
	1. Aerobic mesophilic plate count	150.00	200.00
	2. Aciduric flat sour spore formers	150.00	200.00
	3. Detection and determination of thermophilic spore formers in processed food items	150.00	200.00
	4. Detection and determination of coliforms E.coli in food	180.00	220.00
	5. Detection and determination of Salmonella sp.	180.00	220.00
	6. Detection and determination of Shigella sp.	180.00	220.00
	7. Detection and determination of Vibrio sp.	180.00	220.00
	8. Detection and determination of moulds and yeasts	150.00	200.00
	9. Detection and determination of Listeria monocytogens	180.00	220.00
	10. Detection and determination of B.cereus	180.00	220.00
7.	<b>Antioxidant Activity Profile (Department of Biochemistry)</b>		
	1. DPPH, ABTS, OH, FRAP, LPO (Per sample)	1,500.00	2,000.00

- Note:
1. The rates are per sample.
  2. \*\*Rate per 5 samples
  3. All determinations are the average of two determinants.
  4. All the determinations under instrument-based analysis are the value of one determinant. If an extra determination is needed the cost for analysis is calculated accordingly.

*K. Myyappan*  
Registrar (FAC) 19.2.22