

**KANNUR**



**UNIVERSITY**

**Department of Chemistry/Nanoscience**

Payyanur Campus

Edat (P.O), Payyanur- 670327, Kannur Dist., Kerala

Tel: 0497 2806402

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**DST-INSPIRE/Instrument/QTN/DCS**

**Dated 20.10.2021**

**QUOTATION NOTICE**

Sealed quotations are invited from reputed manufacturers and authorized dealers for the supply of **Microwave digestion bomb** for Department of Chemistry/Nanoscience, Kannur University, SAT Campus, Payyannur, Kerala under DST-INSPIRE funded project.

**Specification for Microwave Digestion Bomb**

- Teflon cup with self-sealing Teflon O-ring and closure with a compressible relief disc for overpressure protection, with built in pressure indicator and a microwave transparent body with good mechanical strength to withstand temperatures up to 150°C as heat insulator for the Teflon cup. Microwave Bomb with convenient hand closure.

- Loading Limits for Samples:

The amount of sample and digestion aid which can be treated in a Microwave Bomb must not exceed the following amounts:

Bomb Size: 45 mL

Maximum Inorganic Sample (dry): 2.0 gm

Maximum Inorganic Digestion Aid: 20 mL

Maximum Organic Sample (dry): 0.2 gm

Maximum Organic Digestion Aid: 5.0-6.0 mL

Recommended Max Temp: 250°C

Max. Internal Pressure: 1200 psig

Cup seal: Teflon O-ring

Overpressure Protection: Compressible Relief Disc

Closure Style: Hand Tighten

- Bomb dimensions:

Height overall: 14.3 cm

Maximum O.D: 7.8 cm

- Cup dimensions:  
Inside diameter: 3.1 cm  
Inside depth: 6.1 cm  
Bomb weight: 625 gm

**Operation & Instruction Manual:** Customer should provide operation and instruction manual for operation and maintenance of the system.

**Warranty:** 2 year warranty should be provided.

**Installation:** Supplier has to supply and demonstrate the equipment at University premises.

**Terms and Conditions:**

1. Sealed Quotations should reach the undersigned, at the address given below.
2. Quotations should contain price (INR), Customs duty (if any) and other necessary details.
3. The Price quoted is on F.O.R Basis. Free delivery to Kannur University.
4. 4 to 5 weeks from the date of receipt of your commercially clear purchase Order.
5. Rate quoted for each item shall be inclusive of all taxes, Customs duty (if any), other such Charges and delivery charges at site (Department of Chemistry/ Nanoscience, Kannur University, SAT Campus, Payyanur – 670327, Kerala).
6. The quotations should reach the Dr. Anjali Paravannoor, DST-INSPIRE Faculty, School of Chemical Sciences, Kannur University, SAT Campus, Payyanur – 670327, Kerala on or before 2 pm on 10.11.2021. The envelope should be superscripted with the Quotation notice number. The Quotation will open on 12.11.2021 at 11.00 am.



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