

**Product Name :**  
Mortar and Pestle Porcelain**Product Code :**  
SCHOOLSMD1143**Description :**

Mortar and Pestle Porcelain

**Technical Specification :**

This is used to pulverize/mash/grind and mixes materials in a mortar using a pestle to demonstrate how particle size affects solubility and the rate of chemical reaction.

Decreasing the size of the particles increases the rate of dissolving and speeds up the rate of reaction because the surface area of the reactant has been increased.

## **A. Mortar:-**

**Shape of mortar :** Bowl shape, with wide mouth , and with deeply molded, smooth rounded bottom

**Material for mortar and pestle:** Porcelain with the following dimensions:

a) **Outside diameter :** 130 mm  $\pm$  1 mm

b) **Depth :** 65 mm

c) **Flat bottom :** 87 mm

**Capacity:** 150 mL

With pouring lip

With unglazed grinding surface (interior) and uniformly glazed exterior

## **B. Pestle:-**

**Shape of pestle:** Cylindrical a with bulbous bottom with the following dimensions:

a) **Length range:** 133-135 mm and

b) **Diameter range :** 28 - 30 mm dia at its widest point. Tender product as per DEPED Guidelines.



## Equipments Exporters

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