

High Purity Ptfе Weights For Hollow Capsule Friability Testing With Precision Tweezers And Glass Tube Laboratory Kit

Item Number: PL-CP223



Introduction

Enhance pharmaceutical testing accuracy with our high-purity PTFE weights for hollow capsule friability analysis. This professional kit includes precision-machined weights, tweezers, and glass tubes, ensuring chemical resistance and repeatable results in demanding laboratory environments for quality control.

[Learn More](#)

Application	Description	Key Benefit
Pharmaceutical Quality Control	Routine friability testing of hard gelatin and HPMC capsules to ensure batch consistency.	Reliable compliance with USP standards.
Drug Formulation R&D	Evaluating the mechanical strength of new capsule formulations during the development phase.	Accurate data for formulation optimization.
Stability Testing	Assessing how environmental factors like humidity and temperature affect capsule brittleness over time.	Long-term material stability under stress.
Bioavailability Studies	Ensuring capsules remain intact until ingestion to protect sensitive active pharmaceutical ingredients (APIs).	Integrity verification of the dosage form.
Contract Manufacturing	Providing standardized testing tools for third-party verification of pharmaceutical integrity.	Inter-laboratory result reproducibility.
Forensic Analysis	Utilizing non-reactive tools for the analysis of unknown capsule samples in sensitive investigations.	Contamination-free sample handling.

Parameter Group	Specification Detail	Value / Description
Model Identifier	Item Number	PL-CP223
Material Construction	Primary Body Material	High-Purity Virgin PTFE (Polytetrafluoroethylene)
Material Properties	Operating Temperature Range	-200°C to +260°C
Chemical Resistance	Solvent/Acid/Base Compatibility	Universal (except molten alkali metals and fluorine)
Kit Components	Weights	Precision-Machined PTFE Weights (Customizable)
Kit Components	Manipulation Tools	Precision Laboratory Tweezers
Kit Components	Testing Chamber	Specialized Laboratory Glass Tube
Dimensional Accuracy	Machining Tolerance	Precision CNC Standards (Customizable)
Surface Finish	Texture	Ultra-Smooth, Low-Friction Finish
Customization	Bespoke Design	All dimensions and weights are fully customizable