

CSD01 Friability Tester



Efficient



Accurate



Intelligent



Company Introduction

Ningbo Scientz Biotechnology Co., Ltd. (Stock Code: 430685) was founded in 1989. Headquartered in the national high-tech zone of Ningbo, it is a globally renowned provider of biological sample processing equipment and a pioneer in the application of ultrasonic technology in China. Scientz Biotech is a high-tech enterprise that provides relevant scientific instruments for research, education, biomedicine, agriculture, forestry, environmental protection, petroleum, new materials, and other fields.

With strong research and technological capabilities, the company has accumulated rich experience in the fields of ultrasonic cell disruption, extraction, dispersion, descaling, high-pressure homogenization, ultra-low temperature, freeze-drying, genetic cell recombination, and laboratory automation. It has successively researched and developed a variety of products, including instruments for biological sample pretreatment, molecular biology, laboratory clean equipment, freeze-drying equipment, industrial descaling equipment, and freshwater algae control equipment. The company always adheres to cutting-edge technology research and application development, committed to providing customers with advanced products, equipment, and industry solutions.

Product Introduction

During the production and transportation of tablets, they are inevitably subjected to vibration or friction, which may cause damage to the tablets and affect their application. The brittle fracture of tablets is an indicator of their resistance to vibration and wear, which is generally measured using a tablet brittle fracture tester.

The CSD01 Friability Tester is an instrument specifically designed and produced for measuring the brittle fracture of tablets in accordance with the "Chinese Pharmacopoeia". The internal diameter of the instrument is 286mm, with a depth of 39mm and a rotation speed of 25 ± 1 revolution per minute. One side of the tester is an open transparent wear-resistant plastic cylinder, inside of which there is an arc-shaped separator extending from the center to the outer wall with an inner diameter of $80\text{mm} \pm 1\text{mm}$. When the cylinder rotates, the tablets will roll, and with each rotation of the cylinder, the tablets will roll or slide onto the wall or other tablets.

Technical Specifications

Time Setting	4 minutes, displayed with a resolution of 1 second	Power	20W
Rotation Setting	100 rotations, displayed with a resolution of 1 rotation	Power Supply	AC 220V 50HZ
Timing Range	0-9:59:00	Dimensions	440*286*350mm
Counting Range	0-99999 rotations	Turntable Dimensions	Internal diameter 286mm, depth 39mm
Rotation Speed Accuracy	25 ± 1 times/minute	Net Weight	10KG