

CZY-G Initial Adhesion Tester

CZY-G The initial adhesion tester is designed and manufactured according to the latest GB/T4852. It is suitable for verifying the adhesion of pressure sensitive adhesive tape, self-adhesive label, protective film, medical patch and other related products to skin surface, as well as the adhesive strength of various medical adhesive tapes (also known as adhesive bandage) contacted with body surface or wound surface, i.e. initial adhesive test.



Professional technology

- It is used to test instantaneous adhesion of samples with the test principle of inclined spherical rolling method.
- Two Testing Methods of A Slope Rolling Ball Method and B Slot Rolling Ball Method.
- The test balls designed in full accordance with the national standards ensure the high accuracy of test data.
- Testing tilt angle can be adjusted freely from 0 degree to 60 degree according to user's requirement.

Application

Basic application	Adhesive products	Suitable for testing the initial adhesion of adhesive products, such as medical patches, tapes, etc.
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Testing principle

The initial viscosities of the samples were measured by the adhesion of the adhesive tape to the steel balls when the contact between the steel balls and the viscous surfaces of the pressure sensitive adhesive tape samples occurred at a short time under a small pressure. A steel ball is rolled over the sticky surface of the adhesive tape which is laid flat on the inclined plate. The initial stickiness of the steel ball is evaluated according to the maximum size of the sticky surface of the specified length.

Testing standard

The instrument meets many national and international standards: GB/T4852、Chinese Pharmacopoeia.

Technical index

Item \ Model	CZY-G Initial adhesion tester
Adjustable inclination angle	0 ~ 60°
Table width	120 mm
Test width	80mm
Test area size	≥250mm(L) ×100 mm (W)
Standard steel ball	1/32-1inch
Size	320mm(L)×140mm(W)×180mm(H)
Net weight	13 kg

Product configuration

Standard configuration

Main engine, 33 steel balls, sampling spoon, instruction, certificate, packing list.

