



BRK Instruments India LLP

PHARMACEUTICAL TEXTURE ANALYZER

21CFR PART 11 Compliance Software



- Solid Dosage
- Gelatin
- Topicals
- Cosmetics
- Packaging



CT3





Solid Dosage

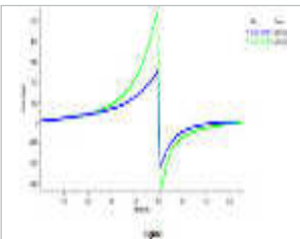
- Tablet hardness / crush strength
- Breakability for Scored tablets
- Fast dissolving tablets - permeability
- Soft gel capsule hardness / rupture / burst strength
- Hard gelatine capsule tensile test
- Bilayer tablet - bond strength
- Suppositories hardness
- Tablet Coating Strength



Gelatin

■ Soft gelatin "Bloom test"

for determination of Bloom Strength as a means of monitoring the effect of quality, concentration & process methods on gelatin



Topicals

Spreadability, Firmness, Tackiness, Flow Behavior, Gel Strength, Adhesiveness

- Creams
- Gels
- Ointments
- Shampoo

Advanced Applications

- Muco adhesion / Bio Adhesion
- Metered Dose Inhaler
- Transdermal Patch Consistency
- Fast dissolving films
- Aerosols
- Nasal Spray Test
- Pre-filled Syringes
- Raft Strength
- Pellet Hardness
- Gallen Gum adhesiveness
- Chewable gummies



Cosmetics

- Lipstick bend test as per ASTM method
- Hardness of Face pack
- Creams / gels hardness, spread value
- Eye pencil break test
- Peel strength for facial mask
- Deodorant Spray and Shot weight test
- Hair Combability Test



Packaging

- Rubber / Cap Penetration. as per industry method.
- Vials breakability (bend test)
- Blister pack consistency
- Film tensile, rupture, elongation
- Peel Test (90°, 180°)
- Tube extrusion test

CT3 Overall Model Specifications

Speed:

Range 0.01-0.1 mm/s (increments 0.01 mm/s)
0.1-10 mm/s (increments 0.1 mm/s)

Accuracy ±0.1% of set speed

Position:

Range 0-101.6 mm

Resolution 0.1 mm*

Accuracy 0.1 mm

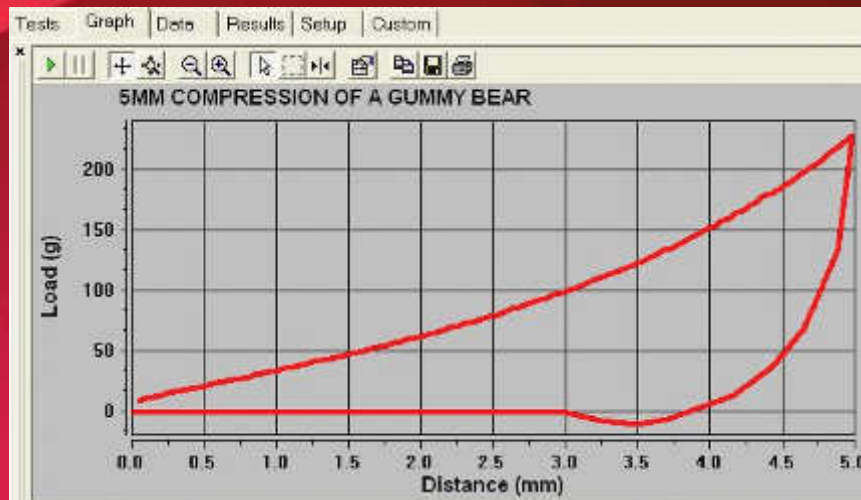
mm = millimeter s = seconds

*Resolution 0.01 mm when used with TexturePro CT Software

MODEL

Load Range / Resolution*

CT3-100	0-100g	/	0.01g
CT3-1000	0-1000g	/	0.10g
CT3-1500	0-1500g	/	0.20g
CT3-4500	0-4500g	/	0.50g
CT3-10kg	0-10000g	/	1.0g
CT3-25kg	1-25000g	/	2.0g
CT3-50kg	2-50000g	/	5.0g



Live Force Deformation Curve



viscosity

texture

rheology

powder

on-line

BRK Instruments India LLP

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