DISINTEGRATION TEST FOR TABLETS AND CAPSULES

Publisher: International Pharmacopoeia

Overview

The **disintegration test**, outlined by the International Pharmacopoeia, is a quality control procedure that evaluates how quickly a solid dosage form (e.g., tablet or capsule) breaks down into smaller fragments when placed in a specific liquid medium under controlled conditions. It measures the time required for the dosage form to disintegrate into particles small enough to pass through a defined mesh size.

This test ensures that tablets or capsules disintegrate properly to release the active pharmaceutical ingredient (API), allowing for subsequent dissolution and absorption in the body. It is commonly used to verify batch consistency, ensure compliance with pharmacopoeial standards, and confirm the suitability of dosage forms for their intended use.

Link to Document

INTERNATIONAL PHARMACOPOEIA DISINTEGRATION TEST FOR TABLETS AND CAPSULES