Scientific Instruments

Peira HumanShaker

PROBLEM

Precision and content uniformity of single doses are required for most dosage forms including suspensions for oral, injectable and ophthalmic administration of drugs. Therefore, solids forming sediments or aggregates must be distributed homogeneously immediately before use. If settling occurs, leading pharmacopoeias require that suspensions be redispersible by shaking, but an apparatus for standardizing the pre-handling instructions for this testing procedure is not available.

SOLUTION

Peira's HumanShaker imitates the human shaking behavior and offers a standardized method for determination of the redispersibility of pharmaceutical suspensions.
The lateral movement has a radius of approximately 300 mm and the drive belt on which an universal holder is fixed can operate at frequencies up to 5 Hz. The Human Shaker is designed and made taking into account pharmaceutical GMP guidelines.

TECHNICAL DATA

Dimensions (LxWxH):	747 x 500 x 476 mm
Weight:	126 kg
Power:	Max 16A
Volts:	3 x 380V
CE:	The HumanShaker fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.
Shaking Frequency:	0.5 to 5 Hz
Travel Distance:	50mm to 300mm
Run time:	600 ms to 40 sec