SLOSH BOX 100

LENZING INSTRUMENTS

FLUSHABILITY TESTER

Declaration of flushability becomes more and more important in line with the increasing use of consumable wipes made of nonwoven materials. Incorrect or non existent labelling for flushability causes problems with clogging, blockages and equipment failure in the conveyance and wastewater treatment systems. The guidelines drawn up by INDA/EDANA and IWSFG include a number of tests, which assist producers in verifying the flushability of their products.

Lenzing Instruments **SLOSH BOX 100** performs the Slosh Box Disintegration Test (INDA/EDANA FG502.R1(18); IWSFG PAS 3:2020), which assesses the potential for a product to disintegrate when it is subjected to mechanical agitation in water.

The instrument allows for simultaneous testing of up to three samples, which are tilted back and forth for a preset test duration and at a predefined oscillating speed.

With **SLOSH BOX 100**, the disintegration test of your nonwoven products are fulfilled automatically, without any subjective influence of the operator. **SLOSH BOX 100** offers efficient testing and reproducible results according to current guidelines.

NONWOVENS TESTING

The Testing Company

SLOSH BOX 100

FLUSHABILITY TESTER

Scope:
Automatic and reproducible testing of the disintegration of nonwoven materials according to FG502.R1(18); of the INDA/EDANA guidance document for assessing the flushability of nonwovens as well as according to PAS 3:2020 of IWSFG.

Method:
A nonwoven sample is put into a container filled with water or wastewater. Automatic oscillating movements of the container forces a disintegration of the sample. After a specified test duration, the residuals are analyzed. Up to three samples can be tested simultaneously.

Results:
The residuals of the nonwoven material are rinsed through a sieve. Particles which are retained on the sieve are collected and analyzed gravimetrically. In order for a product to pass the test, a certain percentage of the sample's initial dry mass has to pass through the sieve. This condition must be met for a defined amount of all tested specimen. Exact specifications depend on the applied guidance.

Number of containers:
There are 3 containers for simultaneous testing of up to 3 samples .

Max. filling capacity of sample container:
4 l

Water volume INDA/EDANA: 2 l
Water volume WSFG: 4 l

Sieve:
Perforated plate with sieve opening:

INDA/EDANA	12.5 mm
WSFG	25.0 mm

Duration oscillating movement:
Freely adjustable: 1 - 720 min
Test standards:

INDA/EDANA	60 min
WSFG	30 min

Driving speed:
Freely adjustable: 5 - 50 rpm
Test standards:

INDA/EDANA	26 rpm
WSFG	18 rpm

Power supply:
230/115 VAC ± 10%
50/60 Hz

Dimensions:

Length:	565 mm
Width:	1040 mm
Height:	545 mm
Weight:	65 kg

Dimensions sample container:

Length:	457 mm
Width:	305 mm
Height:	191 mm

Technical data and pictures are subject to change.

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