Apparatus for determination of bulk density DIN EN ISO 23145-2 and flowability DIN EN ISO 14629 ceramic powders

Wth assistance of this apparatus the bulk density and flowability of ceramic powders can be determined.

DIN EN ISO 23145-2:

Determination of bulk density of cermic powders running unimpeded through a 2,5 mm noozle. The standard also applies for metalic powders not running through the 2,5 mm noozle but passing a 5 mm noozle.

DIN EN ISO 14629:

The flow rate of cermic powders is determined by measuring the time 50 g of a ceramic powder needs to pass a standardized funnel.

Normative Reference:

- Fine ceramics – Determination of bulk density of cermic powders Part 2 : Untapped density ISO 23145-2:2012
- Fine ceramics - Determination of flowability of ceramic powders (ISO 14629:2012)

pic. Apparatus art.. 53468002

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Apparatus for determination of bulk density and flowability: (Art: 53468002)

Complete apparatus made of stainless steel including stable and non-slip stand. The funnel height can be varied.
The clear setup allows easy operating and cleaning.

Consiting of:

- funnel, stainless steel
- noozle, Ø 2,5 mm, stainless steel
- noozle, Ø 5,0 mm, stainless steel
- measuring beaker 100 ml, stainless steel
- tripod, stainless steel
- wiper blade
- spacer block 50 mm
- manual
- sample test report
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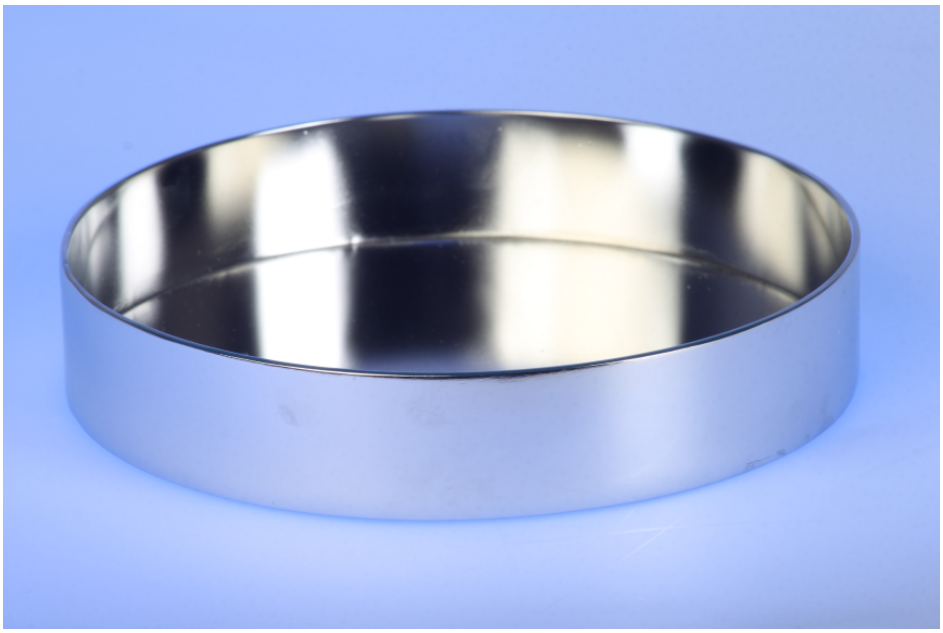
Zubehör:

- stainless steel tray for measuring beaker (Art: L5056601W)
- calibration certificate for measuring beaker (Art: 5346802Z)
- calibration certificate for noozle 2,5 mm or 5,0 mm (Art. L50566061Z)
- Collecting tub for apparatus, stainless steel (Art. L505660A)
- stopwatch 1/100 seconds (Art. 211171000)
- calibration certificate for stopwatch (Art: 904138940)
- sieve according to DIN 565, mesh size 0,71 mm (Art. 534680022)
- Powdergauge 1 , automatic time measuring (Art. L50566081)



pic. Stainless steel tray for measuring beakerr art. L5056601W

stainless steel tray for measuring beaker:

For collection of overflowing sample . The measuring beaker
is placed on the mark of the tray to ensure a standardized setup.v

Calibration certificate for measuring beaker:

Certification about DIN conformity with 3 comparing measurements.

Calibration certificate for nozzle 2,5 mm or 5,0 mm:

Certification about DIN conformity with 5 comparing measurements.

Collecting tub for apparatus:

The complete apparatus is placed in the collecting tub. Overflowing sample material can be caught by the tub so the laboratory desk stays clean.

Stopwatch 1/100 seconds:

For measuring the flow rate.

Calibration certificate for stoppwatch:

Calibration certificate from the manufacturer.

Sieve according to DIN 565:

For sieving the sample (part of testing process)

Powdergauge 1 :

For automatic measuremet of the sample outflow time.

Needed laboratory devices/Option::

- Precision balance +/- 0,01 g (Art: 5346804)