QAQC LAB
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HMK Rotary Sample Divider

Manual

1.OVERVIEW

1.1 Structure：HMK Rotary Sample Divider consists of divider, rotating funnels, vibrating assembly, sample cleaning device etc. Sample is easily and evenly divided into specific shares under associated control of speed and vibration adjustment controller. Each share is representative. HMK-2001 is designed for micro sample dividision in the lab i.e. Divide 300mL into 6 shares, each holds 50mL. At the same time custom is accepted as per specific requirement.

1.2 Principle：Adjust vibration to control sample feeding speed, and adjust rotating speed of the funnels, on basis of each sample, get perfect even share in order to prepare for repetative measurment and meets a series of physical and chemical requirement.

2.Installation

2.1 Put funnel on the axle of motor, screw.

2.2 Put sample holder on vibration base, put sample feeding nozzle in direction of the funnel, screw.

2.3 Put brush holder on the extended rod.

2.4 Put extended rod into the support, brush in same direction of the funnel rotation, screw.

2.5 Take 6 centrifugal tube and 6 o-ring. Install the o-ring until reach screw lead.

2.6 Left hand pull the funnel fixture and right hand put centrifual tube under the funnel, after that let funnel fixture go.

3. Sample dividing

3.1 Before start turn the vibration knob zero to avoid damage on the device.

3.2 Before start turn funnel speed knob zero.

3.3 Turn on funnel speed knob.

3.4 Adjust funnel speed on the dial.

3.5 Take a paper, put under the feeding nozzel.

3.6 Turn on vibration.

3.6 Adjust vibration little by little and observe the state. When sample can be evenly transported to the funnel. The instrument start to divide by itself.

3.7 Put back the sample on the paper to the sample holder.

3.8 Duing dividing, user can adjust the speed or the vibration any time to meet his requirement.

3.9 After dividing, stop the vibration by turning the knob zero and same to the speed knob.

3.10 Take sample out and sample dividing finish.