

FBRM "in-line" sonda Mettler Toledo, FBRM C35



Lokacija:

Katedra za farmacevtsko tehnologijo

FBRM "in-line" sonda je namenjena realnočasovnemu spremljanju tehnološkega procesa v vrtničnoslojni napravi in nam omogoča sledenje evolucije velikosti delcev tekom posameznih faz tehnološkega postopka. Je sestavni del BX CGD 1 procesne opreme (Brinox). Ocena velikosti delcev poteka z merjenjem prekinitve laserskega žarka s konstantno obodno hitrostjo kar nam da porazdelitev tetivnih dolžin populacije delcev.

Prednosti:

- merjenje v komori brez predpriprave vzorca;
- merjenje možno v območju volumskega deleža tdnih delcev do 70 % v/v ;
- ima pnevmatski brisalec, ki čisti optično okno sonde.

Merilno območje: 0,5 μm do 3 mm

FBRM “in-line” probe

Mettler Toledo, FBRM C35



Location:

Department of Pharmaceutical Technology

FBRM “in-line” probe is intended for real-time following of the technological process within the fluid-bed equipment by enabling us to assess the evolution of particle size change during specific phase of technological procedure. Probe can be used with the BX CGD 1 process equipment (Brinox).

Assessment of the particle size is performed by measuring of the time of interruption of laser beam with constant circumferential speed, which gives us distribution of particle chord lengths.

Advantages:

- measurement without sample preparation;
- measurement is possible in solids volume fractions as high as 70 % v/v ;
- pneumatic wiper is cleaning the optical window of the probe.

Measurement range: 0.5 μm do 3 mm