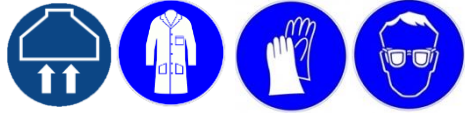


# Particle size of the material suspended in water

## Safety/ Protective equipment



## Material

- 50 mL Falcon tubes
- Centrifuge with swinging rotor (Lab 1236)
- Vortex unit

## Procedure

- Shake for about 2-3 min. the sample bottle to re-suspend it.
- Quickly pour 45 mL of sample into a 50ml Falcon tube and close firmly.
- Agitate at 4000 rpm for 40 minutes. There should be no particles left at the top of the pellet (see figure).
- Carefully remove the supernatant, leaving approximately 5 mL of liquid inside the tube
- Resuspend the particles using a vortex unit
- Follow the BGS protocol “Granulometry: particle size distribution” to perform decarbonation (if necessary), organic matter destruction and dispersion prior to particle size measurement.

