

(PREVIEW)

Indian Standard

METHOD OF SUB-DIVISION OF GROSS SAMPLE OF POWDER USED FOR DETERMINATION OF PARTICLE SIZE

1. SCOPE

1.1 This standard describes the following methods of sub-division of gross sample down to the required quantity for further analysis for determination of particle size distribution:

- a) Reduction by halving from over 1 500 to 500 litres,
- b) Reduction by coning and quartering from 1 000 or less to 25 litres,
- c) Reduction by turntable type sample divider from over 1500 to 1 litre,
- d) Reduction by slotted cone type sample divider from over 1 500 to 1 litre,
- e) Reduction by large oscillating hopper type sample divider from 100 to 1 litre,
- f) Reduction by grid type sample divider from 50 litres to 5 millilitres, and
- g) Reduction by small oscillating hopper type sample divider from 1 litre to 0.2 millilitres.

1.2 This standard also covers method for checking the performance of sample divider.