

ISO 13317-1:2001-05 (E)

Determination of particle size distribution by gravitational liquid sedimentation methods - Part 1: General principles and guidelines

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms, definitions and symbols		2
4 Principles		4
5 Particle size, shape and porosity limitations		5
6 Test conditions		7
7 Sampling		8
8 Preparation for a sedimentation analysis		8
9 Tests in duplicate and validation		9
10 Reporting of results		10
Annex A (informative) The effect of measurement zone height		11
Annex B (informative) Accuracy of Stokes law as a function of Reynolds number		13
Annex C (informative) Particle displacement due to Brownian motion		14
Annex D (informative) Effect of open pores on the terminal velocity of spherical particles		15
Bibliography		17