

First edition
2004-07-15

Determination of particle size distribution by centrifugal liquid sedimentation methods —

Part 3: Centrifugal X-ray method

*Détermination de la distribution granulométrique par les méthodes de
sédimentation centrifuge dans un liquide —*

Partie 3: Méthode centrifuge aux rayons X



Reference number
ISO 13318-3:2004(E)

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Published in Switzerland

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Foreword

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ISO 13318-3 was prepared by Technical Committee ISO/TC 24, *Sieves, sieving and other sizing methods*, Subcommittee SC 4, *Sizing by methods other than sieving*.

ISO 13318 consists of the following parts, under the general title *Determination of particle size distribution by centrifugal liquid sedimentation methods*:

- *Part 1: General principles and guidelines*
- *Part 2: Photocentrifuge method*
- *Part 3: Centrifugal X-ray method*

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Introduction

The X-ray centrifuge monitors particle concentration changes at a fixed or variable radius. In some configurations, the instrument can also be used in a gravitational mode (see ISO 13317-1) and those data blended with other data determined in the centrifugal mode, thus extending the typical upper size limit above 5 μm .