

ISO 14488:2007-12 (E)

Particulate materials - Sampling and sample splitting for the determination of particulate properties

| Contents | | Page |
|---|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Abbreviations and symbols | 2 |
| 5 | Principles of sampling and sample splitting | 3 |
| 5.1 | General | 3 |
| 5.2 | Fundamental error | 4 |
| 5.3 | Total error/number of samples or increments | 7 |
| 6 | Sampling plan | 9 |
| 7 | General procedures | 10 |
| 7.1 | Safety precautions | 10 |
| 7.2 | Primary sampling | 10 |
| 7.3 | Sample handling | 11 |
| 7.4 | Sample containers | 11 |
| 7.5 | Marking of sample containers | 12 |
| 8 | Sample division techniques | 12 |
| 8.1 | General | 12 |
| 8.2 | Spinning riffler | 13 |
| 8.3 | Static riffle divider | 13 |
| 8.4 | Coning and quartering | 14 |
| 8.5 | Increment division method | 15 |
| 8.6 | Scoop sampling | 16 |
| 8.7 | Sampling from paste | 16 |
| 8.8 | Suspension sampling | 16 |
| 9 | Validation | 18 |
| Annex A (informative) Calculation of variances at different stages in the sampling sequence | | 19 |
| Annex B (informative) Estimation of sampling errors and minimum mass of sample | | 23 |
| Bibliography | | 30 |