ISO 22412:2008-05 (E)

Particle size analysis - Dynamic light scattering (DLS)

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols, abbreviated terms and units 2

5 Principle 3
5.1 General 3
5.2 DLS optical detection 3

6 Calculation of mean particle size and PI 4

7 Apparatus 4

8 Preliminary procedures 5
8.1 Instrument location 5
8.2 Test sample preparation 5

9 Measurement procedure 5

10 System qualification 6
11 Repeatability 6
12 Test report 6

Annex A (informative) Correlation function and frequency analysis 8

Annex B (informative) Concentration effects 13

Bibliography 16