ISO 25549:2026-08 (E)

Fine bubble technology - Evaluation method for determining the shear viscosity of ultrafine bubble dispersions

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2
4.1 General 2
4.2 Parallel-plate rotational shear method 2
4.3 Cone-plate rotational shear method 3
4.4 Coaxial-cylinder rotational shear method 3

5 Apparatus 3
5.1 General 3
5.2 Parallel-plate 4
5.3 Cone-plate 4
5.4 Coaxial-cylinder 4
5.5 Measuring device 4
5.6 Sampling devices 4

6 Procedure 4
6.1 General 4
6.2 Preparation and storage 4
6.3 Sampling 4
6.4 Testing 5

7 Assessment of test results 5

8 Measurement errors 5

9 Test report 6

Annex A (Informative) Feature of measurement methods 7

Annex B (Informative) Influence of matrix on the viscosity 10

Bibliography 13