

ISO 24218-1:2023-02 (E)

Fine bubble technology - Characterization of fine bubbles - Part 1: Evaluation of size and concentration indices by laser diffraction method

| Contents | | Page |
|-----------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Test requirements | 2 |
| 4.1 | Sample | 2 |
| 4.2 | Measuring instrument | 2 |
| 4.3 | Environment | 2 |
| 5 | Number concentration and volume concentration | 2 |
| 5.1 | Difference of impression between number-based and volume-based size distributions | 2 |
| 5.2 | Conversion between number dimension amount and volume dimension amount | 4 |
| 5.3 | Evaluation of fine bubble effect | 5 |
| 6 | Evaluation | 5 |
| 6.1 | Sampling and sample preparation | 5 |
| 6.2 | Procedure of the combined use of number-based size analysis and volume-based size analysis by laser diffraction method | 5 |
| 7 | Test report | 6 |
| Annex A (informative) | Examples of combined use of number-based size analysis and volume-based size analysis by laser diffraction method | 7 |
| Bibliography | | 11 |