

ISO 24835-2:2025-11 (E)

Natural gas upstream area - Determination and calculation of shale brittleness index - Part 2: Determination of shale mechanical characteristics based on triaxial testing method

| Contents | | Page |
|---------------------|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Principles | 2 |
| 5 | Apparatus, tools and materials | 2 |
| | 5.1 Apparatus | 2 |
| | 5.2 Tools and materials | 5 |
| 6 | Sample preparation | 5 |
| 7 | Triaxial testing | 6 |
| | 7.1 Procedure | 6 |
| | 7.2 Stress and strain calculation | 6 |
| | 7.3 Calculation of Young's modulus and Poisson's ratio | 7 |
| 8 | Calculation of shale mechanical brittleness index | 9 |
| 9 | Precision | 9 |
| | 9.1 Repeatability | 9 |
| | 9.2 Reproducibility | 9 |
| 10 | Test report | 10 |
| | Bibliography | 11 |