

DIN EN ISO 17828:2025-06 (E)

Solid biofuels - Determination of bulk density (ISO 17828:2025)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Apparatus	2
5.1	Measuring containers	2
5.1.1	Standardized containers	2
5.1.2	Large standardized measuring container	2
5.1.3	Small standardized measuring container	2
5.1.4	Measuring container for coarse biofuels	3
5.2	Balances	3
5.2.1	Balance 1	3
5.2.2	Balance 2	3
5.2.3	Balance 3	3
5.3	Scantlings	3
5.4	Wooden board and impact surface	4
5.5	Apparatus for controlled shock exposure (optional)	4
5.6	Spill prevention aid (optional)	4
6	Sample preparation	4
7	Procedure	4
7.1	Determination of the container volume	4
7.2	Container selection	5
7.3	Measurement procedure	5
7.3.1	Procedure for standardized containers according to 5.1.2 and 5.1.3	5
7.3.2	Procedure for non-standardized containers according to 5.1.4	5
8	Calculation	6
8.1	Calculation of bulk density as received	6
8.2	Calculation of bulk density on dry basis (optional)	6
9	Performance characteristics	7
9.1	General	7
9.2	Repeatability	7
9.3	Reproducibility	7
10	Test report	7
Annex A (informative)	Measuring differences of sample treatment with and without shock exposure	8
Annex B (informative)	Example of an apparatus for controlled shock exposure	9
Bibliography		10