

ISO 5714:2023-08 (E)

Clean cookstoves and clean cooking solutions - Test protocols for institutional cookstoves

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	4
5 Emissions and energy performance of institutional cookstoves tested in the laboratory	4
5.1 General	4
5.2 ISO 19867-1:2018, Clauses 5 and 6, laboratory test methods with exceptions for institutional cookstoves	5
5.2.1 Volume of water	5
5.2.2 Cooking vessel lids	6
5.2.3 Platform scale method	6
5.2.4 Pre-evaporation method	6
5.2.5 Char remaining after a test phase	7
5.2.6 Test phase duration(s) and power level(s)	7
5.2.7 Institutional cookstove testing protocol	7
5.3 ISO 19869:2019, 7.6, controlled cooking test with exceptions for institutional cookstoves	8
5.4 Emissions testing for institutional cookstoves with multiple chimneys	8
6 Emissions and energy performance of institutional cookstoves tested in place (in situ)	9
6.1 General	9
6.2 Water-heating test (in situ), ISO 19867-1:2018, Clauses 5 and 6, with exceptions for institutional cookstoves	9
6.3 Controlled cooking tests (in situ), ISO 19869:2019, 7.6, with exceptions for institutional cookstoves	9
6.3.1 General	9
6.3.2 Controlled cooking tests with a water boiling cooking task	9
6.3.3 Controlled cooking tests without a water boiling cooking task	9
6.4 Uncontrolled cooking tests (in situ), ISO 19869:2019, 5.3.3, with exceptions for institutional cookstoves	10
6.5 Emissions testing for institutional cookstoves with multiple chimneys	10
7 Safety testing	10
7.1 General	10
7.2 Chimney shielding and insulation test	11
7.3 Safety scoring system	11
8 Durability testing	12
8.1 General	12
8.2 Specific equipment requirements for durability stress testing of institutional cookstoves	12
8.3 Extended run test	12
8.4 External and internal impact testing	12
9 Reporting	13

9.1	General	13
9.2	of the test report	13
Bibliography		17