

# ISO 14624-1:2023-10 (E)

## S pace systems - Safety and compatibility of materials - Part 1: Determination of upward flammability of materials

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Principle .....	4
5	Reagents .....	4
6	Test system .....	4
7	Test specimens .....	7
7.1	Materials .....	7
7.2	Reception and inspection of material .....	8
7.3	Preparation of test specimens .....	8
8	Procedure .....	9
8.1	General .....	9
8.2	Before testing .....	9
8.3	Test .....	9
8.3.1	Before ignition of chemical ignitor .....	9
8.3.2	After ignition of chemical ignitor .....	10
8.4	After testing .....	10
9	Accuracy .....	10
10	Test report .....	10
10.1	Standard tests .....	10
10.2	Non-standard tests .....	10
10.3	Good laboratory practice (GLP) .....	11
Annex A (informative) Preparation and qualification of chemical ignitors .....		12
Annex B (informative) Method to determine the flammability thresholds of materials .....		18
Annex C (informative) Alternate determination with increased precision of upward limiting oxygen index (ULOI) .....		21
Annex D (informative) Data sheet for upward flame-propagation oxygen-concentration flammability threshold test .....		23
Bibliography .....		25