

# ISO 16000-31:2014-05 (E)

## Indoor air - Part 31: Measurement of flame retardants and plasticizers based on organophosphorus compounds - Phosphoric acid ester

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Occurrence .....	1
4	Indoor air .....	3
4.1	Measurement planning .....	3
4.2	Apparatus and materials for sampling and sample preparation .....	3
4.3	Sampling .....	6
4.4	Sample preparation .....	6
5	Test chamber air .....	6
5.1	General .....	6
5.2	Apparatus and materials for sampling .....	7
5.3	Sampling .....	7
5.4	Sampling procedure .....	8
5.5	Sample preparation .....	8
6	Calibration .....	8
6.1	Internal standard solutions and calibration solutions .....	8
6.2	Internal standard solutions .....	8
6.3	Calibration solutions for low resolution .....	9
6.4	Calibration solutions for high resolution .....	10
7	Identification and quantification .....	11
7.1	General .....	11
7.2	Analysis apparatus .....	11
7.3	Analysis with GC/LR-MS .....	11
7.4	Analysis with GC/HR-MS .....	11
7.5	Calculation result interpretation and presentation .....	13
8	Performance characteristics .....	14
8.1	Performance characteristics of the air analyses .....	14
9	Quality assurance .....	14
10	Interferences .....	14
Annex A (informative) Nomenclature and physical characteristics .....		16
Annex B (informative) Example chromatograms for standard solutions .....		19
Bibliography .....		21