

DIN EN 71-16:2025-04 (E)

Safety of toys - Part 16: Certain chlorinated phosphorus flame retardants (TCEP, TCPP, TDCP) in toy materials

Contents		Page
European foreword		3
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Requirements	6
5	Principle	7
6	Reagents, standards and apparatus	7
6.1	Reagents	7
6.2	Standards	7
6.3	Apparatus	8
7	Sample preparation	8
8	Method of analysis	9
8.1	General	9
8.2	Chromatographic conditions	9
8.3	Mass spectrometer settings	9
9	Method performance	10
9.1	Limit of quantification	10
9.2	Precision	11
10	Calculation of the result	11
10.1	General	11
10.2	Specific calculation of TCPP content (see Annex A)	11
10.3	Calculation of TCEP, TCPP and TDCP content	11
11	Test report	12
Annex A (informative) Background and rationale -- TCPP and its isomers		13
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2009/48/EC aimed to be covered		15
Bibliography		16