

ISO 8124-3:2020-03 (E)

Safety of toys - Part 3: Migration of certain elements

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Maximum acceptable levels	3
4.1	Specific requirements	3
4.2	Interpretation of results	4
5	Principle	4
6	Reagents	4
7	Apparatus	5
8	Selection of test portions	5
9	Preparation and extraction of test portions	6
9.1	Coatings of paint, varnish, lacquer, printing ink, polymer and similar coatings	6
9.1.1	Test portion preparation	6
9.1.2	Extraction procedure	6
9.2	Polymeric and similar material, including laminates, whether textile-reinforced or not, but excluding other textiles	7
9.2.1	Test portion preparation	7
9.2.2	Extraction procedure	7
9.3	Paper and paperboard	7
9.3.1	Test portion preparation	7
9.3.2	Extraction procedure	7
9.4	Natural, artificial or synthetic textiles	8
9.4.1	Test portion preparation	8
9.4.2	Extraction procedure	8
9.5	Glass/ceramic/metallic materials	8
9.5.1	Test portion preparation	8
9.5.2	Extraction procedure	8
9.6	Other materials, whether mass-coloured or not (e.g. wood, fibreboard, bone and leather)9 9.6.1 Test portion preparation	9
9.6.2	Extraction procedures	9
9.7	Materials intended to leave a trace	9
9.7.1	Test portion preparation for materials in solid form	9
9.7.2	Test portion preparation for materials in liquid form	10
9.7.3	Extraction procedure for samples not containing grease, oil, wax or similar material	10
9.7.4	Extraction procedure for samples containing grease, oil, wax or similar material	10
9.8	Pliable modelling materials, including modelling clays and gels	11
9.8.1	Test portion preparation	11
9.8.2	Extraction procedure for samples not containing grease, oil, wax or similar material	11
9.8.3	Extraction procedure for samples containing grease, oil, wax or similar material	12

9.9	Paints, including finger paints, varnishes, lacquers, glazing powders and similar material in solid or liquid form	12
9.9.1	Test portion preparation for materials in solid form	12
9.9.2	Test portion preparation for materials in liquid form	12
9.9.3	Extraction procedure for samples not containing grease, oil, wax or similar material	13
9.9.4	Extraction procedure for samples containing grease, oil, wax or similar material	13
10	Elemental analysis	13
10.1	Methods of analysis	13
10.2	Method detection limit (MDL)	13
10.3	Calculation of results	14
11	Test report	14
Annex A (normative)	Sieve requirements	15
Annex B (informative)	Selection of procedure	16
Annex C (informative)	Methods for analysis of elements	17
Annex D (informative)	Background and rationale	23
Bibliography	29