

BUREAU OF INDIAN STANDARDS

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Draft Indian Standard

**SAFETY OF TOYS — PART 6 DETERMINATION OF CERTAIN PHTHALATE
ESTERS IN TOYS [ISO 8124-6:2023, IDT]**

(*Second Revision of IS 9873 Part 6*)

(ICS 97.200.50)

Toys and Related Test Methods Sectional Committee,
PCD 30

Last date for comments 18/03/2024

NATIONAL FOREWORD

(*Formal clauses will be added later*)

This standard was originally published in 2017 which was identical with ISO 8124-6 : 2014 and subsequently revised in 2021.

The second revision of this standard has been undertaken to align it with the latest version of ISO 8124-6 : 2023 Safety of toys — Part 6: Certain phthalate esters.

The major changes in this revision are as follows:

- a) removal of “children’s products” from the title, scope and other parts of this draft Indian Standard;
- b) addition of new definitions for instrument detection limit in Clause **3.9** and action limit in Clause **3.11**;
- c) replacement of “4 °C” with “0 °C to 8 °C” in Clause **5.3, 5.4, 5.5.2** and **5.5.3**;
- d) addition of the composite test in Clause **7.3** and **9.2**;
- e) addition of the maximum total mass of composite test portions for the composite test in Clause **8.2.2**;
- f) addition of a clean-up procedure in Clause **8.4.1**;

- g) the volume of the final solution adjusted from 1 ml to 50 ml in Clause **8.4.2.1**, **8.4.2.2.1** and **8.4.2.2.2**;
- h) addition of the composite test mathematic model in Annex D; and
- i) addition of a list including other phthalate esters in **G.2**.

This Indian Standard is published in several parts. The other parts in this series are:

- Part 1 Safety aspects related to mechanical and physical properties (*fifth revision under WC*)
- Part 2 Flammability (*fourth revision under WC*)
- Part 3 Migration of certain elements
- Part 4 Swings, slides and similar activity toys for indoor and outdoor family domestic use
- Part 5 Determination of total concentration of certain elements in toys
- Part 7 Requirements and test methods for finger paints
- Part 8 Age determination guidelines
- Part 9 Certain phthalate esters in toys and children's products
- Part 10 Experimental sets for chemistry and related activities (*under WC*)
- Part 11 Chemical toys (sets) other than experimental sets (*under WC*)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>

ISO 2758, Paper — Determination of bursting strength	IS 1060 (Part 6/Sec 2) : 2014/ ISO 2758 : 2001 Methods of Sampling and Test for Paper and Allied Products Part 6 Methods of Test for Paper Section 2 Determination of bursting strength of paper	Identical
ISO 8124-1, Safety of toys — Part 1: Safety aspects related to mechanical and physical properties	Doc No.: PCD 30 (24680) Safety of toys — Part 1: Safety aspects related to mechanical and physical properties (<i>under wide circulation</i>)	Identical

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

NOTE — The technical content of the document is not available on website. For details, please refer the corresponding ISO 8124-6:2023 or kindly contact:

Ms. Meenal Passi
Scientist ‘F’ & Head (PCD)
Petroleum & Coal related products Department (PCD)
Bureau of Indian Standards 9, B.S. Zafar Marg, New Delhi-110002
Email: pcd@bis.gov.in, pcd030@bis.gov.in
Telephone: 011-23235432