PCD 21(17117) WC
October 2021

***Draft* AMENDMENT NO. 4**
TO

IS 14625: 2015 Plastics Feeding Bottles
(*First Revision*)

(*Foreword, para* **10**, *third cover page*) — Insert the following new para after para 10:

'This draft amendment is based on the FSSAI Regulations 2018 vide notification number F.No. 1-95/ Stds/Packaging/SP (L&C/A)/FSSAI-2017, and amendment Regulations 2020, vide notification number F.No.Std/SP-20/T-01. This amendment includes specific migration limit of toxic substances listed by FSSAI.

This draft amendment also includes updated references. IS 16738 supersedes IS 10909 and accordingly updated in the references.'

(*Page* 1, *clause* **2**) — Substitute the following for the existing clause:

'**2 REFERENCES**

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreement based on standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

IS/Other Publication	*Title*
IS 249 : 1979	Specification for sodium bichromate, technical *(third revision*)
IS 266 : 1993	Sulphuric acid — Specification (*third revision*)
IS 1070 : 1992	Reagent grade water — Specification (*third revision*)
IS 1699 : 1995	Methods of sampling and test for food colours (*second revision*)
IS 2798 : 1998	Methods of test for plastics containers (*first revision*)
IS 3025 (Part 2) : 2019	Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 2 Determination of Selected Elements by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) (*first revision*)
IS 3025	Methods of sampling and test (physical and chemical) for water and waste water
(Part 37) : 1988	Arsenic (*first revision*)
(Part 41) :1992	Cadmium (*first revision*)
(Part 47) : 1994	Lead (*first revision*)

(Part 48) : 1994	Mercury (*first revision*)
(Part 52) : 2003	Chromium (*first revision*)
(Part 56) : 2003	Selenium (*first revision*)
IS 3565 : 2018	Teats for feeding bottles — Specification (*first revision*)
IS 4905 : 2015/ ISO 24153 : 2009	Random sampling and randomization procedures (*first revision*)
IS 7019 : 1998	Glossary of terms in plastics and flexible packaging, excluding paper (*second revision*)
IS 8747 : 1977	Methods of tests for environmental stress-crack resistance of blow moulded polyethylene containers
IS 9833 : 2018	List of colourants for use in plastics in contact with foodstuffs and pharmaceuticals (*second revision*)
IS 9845 : 1998	Determination of overall migration of constituents of plastics materials and articles intended to come in contact with foodstuffs — Method of analysis (*second revision*)
IS 10910 : 1984	Specification for Polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water
IS 14534 : 2016	Plastics — Guidelines for the recovery and recycling of plastics waste (*first revision*)
IS 15303 : 2003	Determination of antimony, iron and selenium in water by electrothermal atomic absorption spectrometric method
IS 15495 : 2004	Printing ink for food packaging — Code of practice
IS 16738 : 2018	Positive list of constituents for polypropylene, polyethylene and their copolymers for its safe use in contact with foodstuffs and pharmaceuticals
ISO 18856 : 2004	Water quality — Determination of selected phthalates using gas chromatography/mass spectrometry
ISO 18857-2 : 2009	Water quality — Determination of bisphenol A in solidphase extraction and derivatisation
EN 13130-13 : 2005	Materials and articles in contact with foodstuffs — Plastics substances subject to limitation — Part 13: Determination of 2,2 bis (4-hydroxyphenyl) propane (Bisphenol A) in food simulants

[*Page* **5**, *clause* **5.2.1.8,** *Table* 1, *Sl No.* i)] — Delete

(*Page* **5**, *clause* **5.3.8**) — Insert the following new clause after **5.3.8**:

‘5.3.9 Determination of Specific Migration

5.3.9.1 The specific migration is tested to determine the quantity of a specific substance that can migrate from a food packaging material or food container into food. Specific migration limits are usually expressed as mg/kg food.

5.3.9.2 The sample/simulants shall be prepared using the procedure described in IS 9845. The testing for detection of toxic substances shall be carried out as per method given in Table-2.

5.3.9.3 The limit of specific migration of all toxic substances when tested as prescribed in column 4 of Table 2 shall not release the substances in quantities exceeding the specific migration limits listed under Table 2.

Table 2 Specific Migration Limits
(*Clause* 5.3.9)

Sl No.	**Toxic Substances**	**Migration Limit, *Maximum* , mg/kg**	**Test Method**
(1)	(2)	(3)	(4)
i)	Barium	1.0	IS 3025(Part 2)
ii)	Cobalt	0.05	-do-
iii)	Copper	5.0	-do-
iv)	Iron	48.0	-do-
v)	Lithium	0.6	-do-
vi)	Manganese	0.6	-do-
vii)	Zinc	25.0	-do-
viii)	Antimony	0.04	-do-
ix)	Phthalic acid, bis(2-ethylhexyl)ester (DEHP)	1.5	ISO 18856’

(*Page* 6, *clause* **7.3**) — Substitute the following for the existing clause:

‘7.3 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.’