

Draft AMENDMENT NO. 1
TO
IS 17480 : 2020 HIGH DENSITY POLYETHYLENE MULTI SQUEEZABLE TUBE
FOR PACKAGING — SPECIFICATION

(Foreword, para 9) — Insert the following new para after para 9:

‘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.’

(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:

<i>IS No./Other Publication</i>	<i>Title</i>
IS 1060 (Part 1) : 1966	Methods of sampling and test for paper and allied products: Part 1 (<i>Revised</i>)
IS 2508 : 2016	Polyethylene films and sheets — Specification (<i>third revision</i>)
IS 2798 : 1998	Methods of test for plastic containers (<i>first revision</i>)
IS 3025 (Part 2) : 2019/ ISO 11885 : 2007	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) (<i>first revision</i>)
IS 8747 : 1977	Methods of test for Environmental Stress- Crack Resistance of moulded containers
IS 9833 : 2018	List of colourants for use in plastic in contact with food stuffs and pharmaceuticals (<i>second revision</i>)
IS 9845 : 1998	Determination of overall migration of constituents of Plastic materials and articles intended to come in contact With foodstuffs — Method of analysis (<i>second revision</i>)
IS 4905 : 2015/ISO 24153 : 2009	Random sampling and randomization procedures (<i>first revision</i>)
IS 14534 : 2016	Plastics —Guidelines for the recovery and recycling of plastics Waste (<i>first revision</i>)

IS 3025 (Part 2) : 2019/ ISO 11885 : 2007	Method of sampling and test (physical and chemical) for water and waste water: Part 2 Determination of selected elements by inductively coupled plasma optical emission spectroscopy (ICP-OES) (<i>first revision</i>)
IS 13360 (Part 9/ Sec 5) : 1999	Plastics — Methods of testing: Part 9 Optical properties, Section 5 Determination of haze and luminous transmittance of transparent plastics
IS 7328 : 2020	Specification for polyethylene material for moulding and extrusion (<i>second revision</i>)
IS 10951 : 2020	Specification for Polypropylene (PP) materials for moulding and extrusion (<i>second revision</i>)
IS 10146 : 1982	Specification for polyethylene for its safe use in contact with foodstuffs, pharmaceuticals and drinking water
IS 10910 : 1984	Specification for polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water
ISO 2528 : 2017	Sheet materials — Determination of water vapour transmission rate (WVTR) — Gravimetric (dish) method
ISO 15105-2 : 2003	Plastics — Film and sheeting — Determination of gas transmission rate — Part 2: Equal-pressure method
ISO 18856 : 2004	Water quality — Determination of selected phthalates using gas chromatography/mass spectrometry

(Page 5, clause 10.3) — Substitute the following for the existing:

10.3 Determination of Specific Migration

10.3.1 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.

10.3.2 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-4.

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

Table 4 Specific Migration Limits

(Clause 10.3.3)

Sl No.	Toxic Substances	Migration Limit, <i>Maximum</i> , 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'

(PCD 21)