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उत्पाद मानुयल

प्रबलित चावल के उत्पादन हेतु उपकरण – विशिष्टि

IS 17854:2022 के अनुसार

**PRODUCT MANUAL FOR
EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION
TO IS 17854:2022**

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन (विनियम की स्कीम-I के तहत यह उत्पाद मानुयल प्रमाणीकरणके प्रचलन में रीति और पारदर्शिता के सुसंगत सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों एवं लाइसेन्स धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेन्स/प्रमाण पत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

1.	उत्पाद Product:	:	IS 17854:2022
	शीर्षक Title	:	Equipment for Manufacture of Fortified Rice – Specification
	संशोधन संख्या No. of Amendments	:	NIL
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines:		
a)	कच्चा माल Raw material	:	(i) The equipment shall be made of stainless steel as per Table 1 of IS 17854. (ii) Manufacturer to ensure that the stainless steel used for manufacture of Hopper, Lid, Paddle, Containers, Agitator shall be ISI-marked as per IS 6911 and the stainless steel used for manufacture of Screw/Ribbon shall be ISI-marked as per IS 7283.
b)	समूहिकरण दिशा निर्देश Grouping guidelines	:	Please refer ANNEX – A

c)	नमूने का परिमाण Sample Size	No sample of the product, to be drawn for independent testing. However, sample of raw material (Stainless Steel sheet) used to manufacture Hopper and Container to be drawn during factory surveillance, for ensuring its conformity to the chemical composition as specified in IS 6911.
3.	परीक्षण उपकरणों की सूची निरीक्षण व परीक्षण स्कीम List of Test Equipment	Please refer ANNEX – B
4.	एक दिन में संभावित परीक्षण Scheme of Inspection and Testing	Please refer ANNEX – C
5.	लाइसेन्स का कार्यक्षेत्र /Possible tests in a day	i) Output of blending unit (Cl.5.1). ii) Freedom from metal/Other foreign impurities (Cl.5.2).
6.	Scope of the Licence :	
IS 17854:2022 अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्रके लिए प्रदान किया जाता है “Licence is granted to use Standard Mark as per IS 17854:2022 with the following scope:		
	Name of the product	Equipment for Manufacture of Fortified Rice
	Types	a) Continuous screw/ribbon blend b) Drum blender c) Continuous drum blender d) Paddle blender e) Octagonal blender

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ANNEX A
TO THE PRODUCT MANUAL FOR
EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION
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GROUPING GUIDELINES

1. The Equipment for Manufacture of Fortified Rice may have the following types of blenders (clause 4.1 of IS 17854:2022):

i.	Continuous screw/ribbon blend
ii.	Drum blender
iii.	Continuous drum blender
iv.	Paddle blender
v.	Octagonal blender

2. The manufacturer shall declare the type of blender, they intend to cover in the scope of licence. The sample of each type shall be subjected to factory testing for considering grant of licence/inclusion of that type of blender.
3. It shall be ensured that the firm is having all the necessary manufacturing and testing facilities for the manufacture and testing of the types to be included in the licence.

ANNEX-B
TO THE PRODUCT MANUAL FOR
EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION
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List of Test Equipment

Major test equipment required to test as per the Indian Standard:

Sr. No	Test Equipment	Test Clause
1	a) Micro Balance, b) Balance, c) Analytical Balance, d) Food colour	Clause 5.1
2	<i>Visual inspection</i>	Clause 5.2

ANNEX-C

**TO THE PRODUCT MANUAL FOR
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Scheme of Inspection and Testing

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

1.1 The manufacturer shall prepare and implement a calibration plan for the test equipment.

2. TEST RECORDS – The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. PACKING AND MARKING – The Standard Mark, as given in the Schedule of the licence, shall be incorporated legibly and indelibly on each piece provided always that material so marked conform to requirements of the specification.

3.1 Each piece shall be legibly and indelibly marked, so as to give the information as per the requirements laid out in clause 7 of IS 17854. In addition, the following shall be incorporated on each piece:

- a) BIS Licence Number CM/L-and
- b) BIS website details i.e. —"For details of BIS certification please visit www.bis.gov.in"

4. CONTROL UNIT – For the purpose of this scheme, equipment manufactured/assembled from the same cast of raw material (stainless steel as per IS 6911) shall constitute one control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

5.1 All the production which conforms to the Indian Standards and covered by the licence should be marked with Standard Mark.

6. REJECTIONS – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

Table 1
(Levels of Control)
(Para 5 of Scheme of Inspection and Testing)

Sl No.	(1)				(2)	(3)		
	Test Details				Test equipment requirement R: required (or) S: Subcontracting permitted	Levels of Control		
	Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
			Clause	Reference				
1	5.1	Out put of blending unit (FRK)	5.1	17854	R	One	Every Piece	
2	5.2	Free from metal and other foreign impurities.	5.2	17854	R	One	Every Piece	

Note-1: Whether test equipment is required or sub-contracting is permitted in column 2 shall be decided by the Bureau and shall be mandatory. Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note-2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit /batch/lot and submit his own levels of control in Column 3 with proper justification for approval of BO Head.