



उत्पाद मानुयल
स्कूल बैग्स 10228 : 1982 के अनुसार

PRODUCT MANUAL FOR
SCHOOL BAGS ACCORDING TO IS 10228 : 1982

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम 2018 की स्कीम-I के तहत यह उत्पाद मानुयल प्रमाणीकरण के 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 10228 : 1982
	शीर्षक Title	:	स्कूल बैग्स SCHOOL BAGS
	संशोधन संख्या No. of Amendments	:	01
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines:		
a)	कच्चा माल Raw material	:	No specific requirement.
b)	समूहिकरण दिशा निर्देश Grouping guidelines	:	N.A
c)	नमूने का परिमाण Sample Size	:	सभी परीक्षणों के लिए 2 बैग 2 Bags for all tests
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	कृपया Annex-A देखें Please refer ANNEX – A

4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection and Testing	:	कृपया Annex-B देखें Please refer ANNEX – B
5.	एक दिन में संभावित परीक्षण Possible tests in a day :	:	
	i. Shape and Dimension ii. Length of back strap iii. Length of side strap iv. Manufacture, workmanship and finish v. Drop test vi. Handle snatch test		
6.	लाइसेन्स का कार्यक्षेत्र/ Scope of the Licence :		
	IS 10228 : 1982 के अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्र के लिए प्रदान किया जाता है “Licence is granted to use Standard Mark as per IS 10228 : 1982 with the following scope:		
	उत्पाद का नाम Name of the product	स्कूल बैग्स SCHOOL BAGS	

BUREAU OF INDIAN STANDARDS
 Manak Bhawan, 9, Bahadur Shah Zafar Marg,
 New Delhi – 110002

ANNEX B
TO PRODUCT MANUAL FOR SCHOOL BAGS AS PER IS 10228 : 1982

LIST OF TEST EQUIPMENTS,

Major test equipment required to test as per the Indian Standard

Sr. No.	Tests used in with Clause Reference	Test equipment
1.	Shape and dimensions (Cl. 3)	Measuring tape with LC of 1 mm
2.	Manufacture, workmanship & finish (Cl. 5)	Vernier callipers
3.	Drop Tests (Cl. 7.1)	Weighing machine and suitable loading weights
		Hanging arrangement with pegs
		Measuring tape
4.	Handle Snatch Tests (Cl. 7.2)	Rigid supports
		Weighing machine and suitable loading weights
		Stop watch.

The above list is indicative only and may not be treated as exhaustive

ANNEX C

TO PRODUCT MANUAL FOR SCHOOL BAGS AS PER IS 10228 : 1982

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 a calibration plan for the test equipments.

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 clearly stamped/stencilled legibly and indelibly on each school bag, provided always that the school bag on which this mark is thus applied conforms to every requirement of the specification.

3.1 Marking - Each school bag shall be legibly marked with the information provided under clause 8.1 of IS 10228. In addition, the following details shall be mentioned on each school bag legibly and indelibly:

a) BIS Licence No. CM/L _____.

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, the entire quantity of School Bags manufactured from the same consignment of material, during a shift of 8 hours, shall constitute a control unit.

6. 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 clause 2 above.

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

7. 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
LEVEL S OF CONTROL

(1)				(2)	(3)		
TEST DETAILS				Test equipment requirement R: required (or) S: Sub-contracting permitted	LEVELS OF CONTROL		
Cl.	Requirement	Test Method Cl. Ref.	Test Method IS		No. of Samples	Frequencies	Remarks
3.1	Shape & Dimension	3	IS 10228	R	Five	Each Control Unit	-
3.1.1	Length of back strap	3.1.1	IS 10228	R	Two	Each Control Unit	
3.1.2	Length of side strap	3.1.2	IS 10228	R	Two	Each Control Unit	
4	Material						
Table 1 i)	Body, strap, pockets, etc	-	IS 6110 or IS 5915	S	One	Each Consignment	
ii)	Piping	-	IS 6110	S	One	Each Consignment	
iii)	Buckles	-	IS 10228	S	One	Each Consignment	
iv)	Sewing thread for body and straps	-	IS 1720 or IS 9543	S	One	Each Consignment	
v)	Sewing thread for piping	-	IS 1720 or IS 9543	S	One	Each Consignment	
5	Manufacture, Workmanship & Finish	5	IS 10228	R	Each bag	-	-
5.2	Patch pocket	5.2	IS 10228	R	Each bag	-	
5.3	Piping	5.3	IS 10228	R	Each bag	-	
5.4	Stitching	5.4	IS 10228	R	Each bag	-	

5.5, 5.6 & 5.7	Buckles, Stitching	5.5, 5.6 & 5.7	IS 10228	R	Each bag	-	
7.1	Drop Tests	7.1	IS 10228	R	Two	Each Control Unit	-
7.2	Handle Snatch Test	7.2	IS 10228	R	Two	Each Control Unit	-

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 by BO Head.