



**उत्पाद मानुयल
प्रसाधन साबुन विशिष्टि
2888 :2004 के अनुसार
PRODUCT MANUAL FOR TOILET SOAP SPECIFICATION
ACCORDING TO IS 2888:2004**

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 लाइसेंस धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेंस/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 2888 : 2004
	शीर्षक Title	:	प्रसाधनसाबुनविशिष्टि TOILET SOAP -SPECIFICATION
	संशोधन संख्या No. of Amendments	:	तीन : 03
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines:		
a)	कच्चा माल Raw material	:	आईएसएसमें कोई विशेष आवश्यकता नहीं। No specific requirement in the ISS
b)	समूहिकरण दिशा निर्देश Grouping guidelines	:	Sample of each grade to be tested. Further, if defence supply is to be mentioned in scope of licence, sample shall be tested for conformity to optional requirement for defence supply as per CI 5.4. Similarly, if Eco mark is to be mentioned in scope of licence, sample shall be tested for conformity to the additional requirements for Eco mark as per CI 5.6
c)	नमूने का परिमाण Sample Size	:	4 * 100 ग्राम 4*100 gm
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	कृपया Annex-ए देखें Please see Annex – A
4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection and Testing	:	कृपया Annex-B देखें Please see Annex – B
5.	एक दिन में संभावित परीक्षण Possible tests in a day :		

	All test as per IS 2888:2004	
6.	लाइसेन्स का कार्यक्षेत्र/Scope of the Licence:	
	IS 2888 : 2004के 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 2888 : 2004 with the following scope:	
	उत्पाद का नाम Name of the product	प्रसाधनसाबुनविशिष्टि TOILET SOAP -SPECIFICATION
	ग्रेड Grades	GRADE 1/ GRADE 2/ GRADE 3
	मानककेअनुसारआवश्यककोईअन्यपहलू Any other aspect required as per Standard	For defence supply/Not for defence supply With/Without Eco mark

BUREAU OF INDIAN STANDARDS
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Annex –A
List of Test Equipment,

Major test equipment required to test as per the Indian Standard

Sr. No.	Tests used in with Clause Reference	Test equipment
1.	Total Fatty Matter, Clause 5.5 and Table 1 (i)	Conical Flask, Separating funnel, Flat bottom flask, Air Oven, Steam Bath, Weighing Balance, Distilled Water, Methyl Orange, Sulphuric Acid, Diethyl ether, Acetone
2.	Rosin Acid, Clause 5.5 and Table 1 (ii) Note: Test facility for Routine method is given here	Condenser, Burette, Sulphuric acid, methanol, sodium sulphate solution, petroleum ether, methyl orange indicator, ethyl alcohol, distilled water, phenolphthalein indicator, Standard alcoholic potassium hydroxide solution
3.	Free caustic alkali, Clause 5.5 and Table 1 (iii)	Filtrate preserved from matter insoluble in alcohol test, pipette, test tube, standard sulphuric or Hydrochloric acid
4.	Matter insoluble in alcohol, Clause 5.5 and Table 1 (iv).	Reflux condenser, Filter paper or gooch/ sintered crucible with suction, watch glass, filter flask, desiccator, ethyl alcohol, phenolphthalein indicator
5.	Chlorides, Clause 5.5 and Table 1 (v)	250ml tall form beaker, one mark 250 ml volumetric flask, burette, distilled water, calcium nitrate solution, methyl orange, dil. Nitric acid, silver nitrate solution, potassium chromate indicator
6.	Free Carbonated Alkali, Clause 5.5 and Table 1 (vi)	Volumetric Carbonate Apparatus, Glass Beads, 0.1N standardised Hydrochloric acid, Ethyl alcohol, Dilute Hydrochloric Acid, Alkaline absorbent solution, magnesium chloride solution, phenolphthalein indicator, methyl orange indicator, tri-chlorobenzene
7.	Lather, Clause 5.5 and Table 1 (vii)	3 speed kitchen blender, 1000ml glass container, 100 ml and 500 ml graduated measuring cylinder, 1.70 mm sieve, 500 micron sieve, air tight container, Air conditioner, Thermometer, 1% solution of sodium lauryl sulphate in 300 ppm water
8.	Cresylic Acid, Clause 5.3	1000-ml Volumetric Flask, Sodium Hydroxide Solution, Calcium Nitrate Solution, Sodium bromate-bromide solution, Dilute Hydrochloric Acid, Potassium Iodide solution, Standard Sodium Thiosulphate solution, Starch solution, Standard Cresylic acid

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

ANNEX – B

(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. Copies of any records that may be required by BIS shall be made available at any time on request.
- 3. PACKING AND MARKING** – The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on the package containing the soap provided always that the material so marked conforms to each requirement of the specification.
- 3.1** Packing and marking shall be done as per Cl. 6 of IS 2888:2004. In addition, the following details shall be mentioned on each container/package:-
 - i) Licence No. (CM/L.....)
 - ii) 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 soap manufactured in one shift shall be considered as a batch (Control Unit).
- 4.1** On the basis of test and analysis results, decision regarding conformity or otherwise of a control unit of soap with the requirements of the specification shall be made as follows:
 - 4.1.1** Two samples from each batch (Control Unit) shall be taken, one during the first half of manufacture and the second during the second half of manufacture and tested for free caustic alkali, matter insoluble in alcohol, lather, colour and unsaponified matter. If any of the samples from a particular batch (control unit) fails in any one or more of the requirements of these characteristics, the batch (control unit) shall be considered unfit for the purpose of marking.
 - 4.1.2** If the two samples drawn as in 4.1.1 conform to the requirements of the specification in respect of these characteristics, a composite sample shall be prepared by mixing equal quantities of the material from both the samples and shall be tested for the remaining characteristics namely chlorides, resin acids, and total fatty matter, free carbonated alkali. If the requirement for any of these characteristics is not satisfied, the batch (control unit) shall be declared unfit for the purpose of marking.
- 4.2** A Batch (control unit) shall be marked only when it is found conforming to all the requirements of the specification in accordance with clauses 4.1.1 and 4.1.2.
- 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 shall be marked with Standard Mark.

6. Ingredients – Routine analysis of the ingredients complying with Cl.5.2 of IS 2888:2004 to be used in manufacture. Firm shall maintain appropriate records for the same.

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.

A separate record shall be maintained giving information relating to the rejection of batch (Control Unit) of soaps, which do not conform to the specification and the method of their disposal. Such material, if packed in containers, shall in no case be stored together with that conforming to the specification and Standard Mark (if already applied) on the rejected lots shall be removed/defaced.

Table 1
Level of Control

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or)S: Sub-contracting permitted	Recommended Levels of Control		
Cl.	Requirement	Test Methods Clause Reference			No. of Sample	Frequency	Remarks
5.1	Description	5.1.1 & 5.1.3	IS 2888:2004	R		Each soap cake	
5.2 & 5.3	Ingredient	5.2 & 5.3	-do-	R	Two	Each control unit	
5.5 and Table 1	1) Total fatty matter, % by mass	15	IS 286	R	One Composite Sample**	Each control unit	
-do-	ii) Rosin acid, % by mass of total fatty matter	14	-do-	R	-do-	Each control unit	If rosin is not used as an ingredient during the manufacture of soap there is no need to test the requirement of rosin acid content
-do-	iii) Free caustic alkali (as NaOH), % by mass	6.2	-do-	R	Two	Each control unit	
-do-	iv) Matter insoluble in alcohol, % by mass	5	-do-	R	Two	Each control unit	
-do-	v) Chlorides (as sodium Chloride), % by mass	10	-do-	R	One Composite Sample**	Each control unit	
-do-	vi) Free carbonated alkali, % by mass	28	-do-	R	Two	Each control unit	

-do-	vii) Lather in ml	Annex - C	IS 13498	R	Two	Each control unit	
5.3	viii) Phenolic substance, such as cresylic acid	26	IS 286	R	One	Each control unit	<i>(Only to be tested, if added)</i>
5.4.1	Colour		IS 5	R	Two	Each control unit	<i>Optional requirement for defence supply</i>
5.6	Additional requirement for eco mark		5.6	S	As agreed between purchaser and supplier		<i>Only for product marked with Eco mark</i>

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.

Note-3: ** This sample shall be prepared by mixing equal quantities of the material taken from two samples.