



**PRODUCT MANUAL FOR  
SHOE POLISH, PASTE  
ACCORDING TO IS 1746:1992**

*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.	<b>Product</b>	:	IS 1746:1992 (Reaffirmed in 2003)
	<b>Title</b>	:	Shoe Polish, Paste
	<b>No. of Amendments</b>	:	1
2.	<b>Sampling Guidelines:</b>		
a)	<b>Raw material</b>	:	No requirement of raw material.
b)	<b>Grouping guidelines</b>	:	None
c)	<b>Sample Size</b>	:	<u>1600 g</u>
3.	<b>List of Test Equipment</b>	:	Please refer ANNEX – <u>A</u>
4.	<b>Scheme of Inspection and Testing</b>	:	Please refer ANNEX – <u>B</u>
5.	<b>Possible tests in a day :</b>		
	S.No	Tests	Ref to Cl. of IS 1746
	(i)	Odour	Cl. 4.1.1 of IS 1746
	(ii)	Colour	Cl 4.1.2 of IS 1746
	(iii)	Consistency	Cl. 4.1.3 of IS 1746
	(iv)	Applicability	Cl. 4.1.4 of IS 1746
	(v)	Colour of water extract	Cl. 4.1.6 of IS 1746
	(vi)	pH of water extract	Cl. 4.2 of IS 1746
	(vii)	Ooze test	Cl. 4.4 of IS 1746
6.	<b>Scope of the Licence :</b>		
	“Licence is granted to use Standard Mark as per IS 1746:1992 with the following scope:		
	Name of the product	Shoe Polish, Paste (Colour)	

**ANNEX A****List of Test Equipment***Major test equipment required to test as per the Indian Standard*

<b>Sl. No.</b>	<b>Test Equipment/ Chemical Apparatus/ Reagents</b>	<b>Tests used in with Clause Reference</b>
1	Consistency (Cl. 4.1.3 of IS 1746)	Refrigerator thermostatically controlled at 10±2°C Oven Range 50°C L.C = 0.1°C
2	Applicability (Cl. 4.1.4 of IS 1746)	Leather upper 2 pan balance Range 0 -5kg 8 L.C 50 gm Stop watch – L.C= 1 sec Weights- 50,100,200, 500, 1 kg, 2kg
3	Colour of Water Extract (Cl. 4.1.6 of IS 1746)	Controlled temperature Water Bath
4	Softening point of Non- volatile matter (Cl 4.2 Table 1 of IS 1746)	Open Dish Water bath Porcelain Crucible Thermometer LC 0.1°C Mercury Sand Bath Hot Plate Air Oven Range 150°C L.C. 1°C Dessicator
5	Ash of Non- volatile matter (Cl 4.2 Table 1 of IS 1746)	Weighing balance LC 0.1 mg Crucible Porcelain Range 900°C L.C 0.1 °C Muffle furnace
6	pH of water extract. (Cl 4.2 Table 1 of IS 1746)	Controlled Temperature Water bath at 45±2°C pH meter LC
7	Distillation Range of Volatile portion. (Cl 4.2 Table 1 of IS 1746, IS 82 and IS 5298)	Heating mantle Vacuum distillation assembly Vacuum pump Anhydrous Magnesium Sulphate Thermometer as per Table 2 of IS 82 Distillation assembly as per Fig 1or Fig 2 or Figure 3 of IS 5298 Distillation receiver as per Fig 6 of IS 5298
8	Flash Point of Non-volatile portion (Cl 4.2 Table 1 of IS 1746& IS 1448(P-20))	Abel's Flash point apparatus with thermometer
9	Non-volatile matter. (Cl 4.2 Table 1 of IS 1746)	Flat bottom dish dia 8 cm with cover Oven with range 150°C, L.C = 1°C
10	Ooze test (Cl. 4.4 of IS 1746)	Oven Filter papers

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

**ANNEX B**

**Scheme of Inspection and Testing**

**FOR CERTIFICATION OF SHOE POLISH PASTE ACCORDING TO IS 1746**

- 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 equipment.
- 2. TEST RECORDS** – The manufacturer shall maintain test records for the tests carried out to establish conformity.
- 3. LABELLING AND MARKING** – The labelling and marking requirements as per the Indian Standard shall be complied with by the manufacturer.
  - 3.1** The additional labelling and marking requirements in addition to the requirements of the Indian Standard, if any, shall be indicated by the Bureau to which the manufacturer shall comply with.
- 4. CONTROL UNIT** – For the purpose of this scheme, the total quantity of the final molten polish manufactured in one day shall be considered as one control unit.
- 5. LEVELS OF CONTROL** – The tests as indicated in column 1 of Table 1 and the levels of control submitted by the manufacturer 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.
- 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**

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Methods			No. of Sample	Frequency	Remarks
		Clause	Reference				
4.1	Description	4.1.1 to 4.1.6	IS:1746-1992	R	One	Each control unit	---
4.2 & Table 1	Softening point of non-volatile matter	Annex C	IS:1746-1992	R	One	-do-	---
4.2 & Table 1	Ash of the non-Volatile matter	Annex D	IS:1746-1992	R	One	-do-	---
4.2 & Table 1	pH of water Extract	Annex E	IS:1746-1992	R	One	-do-	---
4.2 & Table 1	Distillation range of volatile portion	Annex F	IS:1746-1992	R	One	-do-	---
4.2 & Table 1	Flash point of volatile portion.	Annex F	IS:1746-1992	R	One	-do-	---
4.2 & Table 1	Non-volatile matter	Annex G	IS:1746-1992	R	One	-do-	---
4.3	Keeping property	4.3	IS:1746-1992	R	One	Once in three month	The samples drawn shall be test after the expiry of one year from the date of manufacture.
4.4	Oozing test	4.4 & Annex H	IS:1746-1992	R	One	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.