



उत्पाद मानुयल
पशु उपभोग के लिए सामान्य नमक और मवेशी चाटना
आई एस 920 : 1972 के अनुसार
PRODUCT MANUAL
FOR COMMON SALT AND CATTLE LICK FOR ANIMAL CONSUMPTION
ACCORDING TO IS 920 : 1972

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 920 : 1972
	शीर्षक Title	:	पशु उपभोग के लिए सामान्य नमक और मवेशी चाटना के लिए विशिष्टता Specification for Common Salt and Cattle Lick for Animal Consumption
2.	संशोधन संख्या No. of Amendments	:	2
a)	नमूनाकरण दिशा निर्देश Sampling Guidelines: कच्चा माल Raw material	:	कोई विशिष्ट आवश्यकता नहीं No Specific Requirement (i) Separate samples for Common Salt and Cattle Lick are required to be drawn and tested to cover both these products.
b)	समूहिकरण दिशा निर्देश Grouping guidelines	:	(ii) In case of Cattle lick, if mineralized lick is tested and found to be conforming, then plain lick may also be covered in the scope of licence.

c)	नमूने का परिमाण Sample Size	:	2 किलोग्राम : 2 Kg
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 :		
	1. Description 2. Moisture 3. Visual examination as per clause 2.1 and 3.1.		
6.	लाइसेन्स का कार्यक्षेत्र /Scope of the Licence : आई एस 920:1972 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 920 : 1972 with the following scope: उत्पाद का नाम Name of the product		पशु उपभोग के लिए सामान्य नमक और मवेशी चाटना Common Salt and Cattle Lick for Animal Consumption
	प्रकार / Type		- Common Salt for Animal consumption and/or - Cattle Lick (Plain and/or Mineralized)

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ANNEX A
**TO PRODUCT MANUAL FOR COMMON SALT AND CATTLE LICK FOR ANIMAL
CONSUMPTION ACCORDING TO IS 920 : 1972**

LIST OF TEST EQUIPMENT

Major test equipment required to test as per the Indian Standard

<u>Sr. No.</u>	<u>Tests used in with Clause Reference</u>	<u>Test Equipment</u>
1	Water Insoluble Matter Cl. 2.3, Table 1,	Petri dish Beaker Thermostatically Controlled Oven Weighing balance Gooch or Sintered Glass Crucible (G No 4) Hot Plate Graduated flask
2	Moisture Cl. 2.2 and 3.4	Hot Air Oven Air tight container Agate Mortar Weighing Balance Silica Dish Desiccator
3	Chloride Cl. 2.3 (Table 1) and Cl. 3.5 (Table 2)	Gooch Crucible Graduated Flask Potassium Chromate Indicator Silver Nitrate Solution Conical Flask Burette
4	Iron Cl. 3.5 (Table 2)	Heat resistant glass tube Photoelectric Colorimeter Centrifuge Distilled Water Test tubes Concentrated Sulphuric Acid Perchloric Acid Concentrated Nitric Acid Ammonium Hydroxide Concentrated Hydrochloric Acid Hydrogen Peroxide Isoamyl Alcohol

		Potassium Thyocyanate Ferrous Ammonium Sulphate Erlenmeyer Flask Weighing Balance
5	Iodine Cl. 3.5 (Table 2)	Takadiastase Methyl Orange Indicator Concentrated Sulphuric Acid Bromine Water Sodium Sulphite Phenol Potassium Iodide Sodium Thiosulphate Starch Sodium Chloride Pipette Erlenmeyer Flash Burettes
6	Copper Cl. 3.5 (Table 2)	Heat resistant glass tube Centrifuge Photoelectric Colorimeter Distilled Water Sodium Citrate Ammonium Hydroxide Isoamyl Alcohol Sodium Diethyldithiocarbamate Cupric Sulphate Pentahydrate Sulphuric Acid Phenolphthlein Indicator Graduated Flask Pipette Test tube and Test tube stand
7	Manganese Cl. 3.5 (Table 2)	Photoelectric Colorimeter Concentrated Sulphuric Acid Phosphoric Acid Potassium periodate Sodium Metabisulphite Concentrated Nitric Acid Muffle Furnace Hot Plate Boiling Tube Sulphurous Acid Filter Paper

		Silica Dish Weighing balance
8	Cobalt Cl. 3.5 (Table 2)	Citric Acid Spectrophotometer Bromophenol Blue indicator Methyl red indicator Dithizone Chloroform Carbon tetra Chloride Phenolphthaline Indicator Boric Acid Sorensens Salt Sodium Hydroxide Concentrated Nitric Acid Concentrated Sulphuric acid Perchloric Acid Cresol Red Nitroso R Salt Cobalt Sulphate Muffle Furnace Graph Paper pH meter (0-14, 0.01) Air conditioner

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

ANNEX B
**TO PRODUCT MANUAL FOR COMMON SALT AND CATTLE LICK FOR ANIMAL
CONSUMPTION ACCORDING TO IS 920 : 1972**

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 stencilled/printed on each bag of Common Salt/ Cattle Lick, or printed on the label applied to it, as the case may be, provided always that the material in each bag to which this mark is thus applied, conform to every requirement of the specification.

3.1 Marking - Each bag shall be legibly marked or labelled to give the information as per clause 4.2 of IS 920. In addition, the following details shall be mentioned on each container 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 material manufactured continuously in a day shall constitute a control unit

5. LEVELS OF CONTROL – The test 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

(1) Test Details				(2) Test equipment requirement R: required (or) S: Sub-contracting permitted	(3) Levels of Control		
Cl.	Requirement	Test Method Cl. Ref.	Test Method IS		No. of Sample	Frequency	Remarks
2.1 & 3.1	Description	2.1 and 3.1	IS 920	R	One	Each Control unit	
2.2 & 3.4 2.3, Table 1	Moisture	A-2	IS 253	R	One	Each control unit	Only for Common Salt for animal consumption
	Water Insoluble Matter	A-4	IS 253	R	Once	Once in a week	
2.3, Table 1 3.5, Table 2 (i)	Chloride	A-5	IS 253	R	Once	Once in a week	
3.5, Table 2 (ii)	Iron	7	IS 7874 (Part 2)	R	Once	Once in a week	
(iii)	Iodine	8	IS 7874 (Part 2)	R	Once	Once in a week	
(iv)	Copper	9	IS 7874 (Part 2)	R	Once	Once in a week	
(v)	Manganese	10	IS 7874 (Part 2)	R	Once	Once in a week	
(vi)	Cobalt	11	IS 7874 (Part 2)	R	Once	Once in a week	

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 empaneled 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 to BO head.