उत्पाद मैन्युअल
2- नेफ़थाइलमाइन - 3 : 6 : 8 - ट्राइसल्फोनिक एसिड, तकनीकी
IS 11557: 1986 के अनुसार

PRODUCT MANUAL FOR
2 - Naphthylamine - 3 : 6 : 8 - Trisulphonic acid, Technical
According to IS 11557: 1986

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो) अनुरूपता मूल्यांकन (विनियम, 2018 की योजना -I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity 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.

1.	**उत्पाद** **Product**	:	**IS 11557: 1986**
	शीर्षक **Title**	:	Specification for 2 - Naphthylamine - 3 : 6 : 8 - Trisulphonic acid, Technical
	संशोधन संख्या **No. of amendments**	:	Nil
2.	**नमुनाकरण दिशा निर्देश** **Sampling Guidelines**		
a)	**कच्चा माल** **Raw material**	:	No specific Requirements
b)	**समूहिकरण दिशा निर्देश** **Grouping Guidelines**	:	Not Applicable
c)	**नमूने का परिमाण**	:	1 kg

	Sample Size		
3.	**परीक्षण उपकरणो की सूची** **List of Test Equipment**	:	Please refer Annexure - A
4.	**निरीक्षण व परीक्षण स्कीम** **Scheme of Inspection and Testing**	:	Please refer Annexure - B
5.	**एक दिन में संभावित परीक्षण** **Possible tests in a day**	:	All tests except Amido G acid
6.	**लाइसेन्स का कार्यक्षेत्र** **Scope of the Licence :**		
	IS 11557: 1986 के 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 11557: 1986 with the following scope:		
	Name of the product	2 - Naphthylamine - 3 : 6 : 8 - Trisulphonic acid, Technical	

BUREAU OF INDIAN STANDARDS
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New Delhi – 110002

ANNEXURE A

LIST OF TEST EQUIPMENTS

(INDICATIVE LIST, FOR GUIDANCE ONLY)

Sl No.	Test Used in with Clause Reference	Test Equipment/ Chemical
1	Description	Visual, dilute alkaline solution
2	Matter insoluble in dilute sodium carbonate solution, Clause 2.2, Table 1, Sl.No. i)	Hot Air Oven, Hot Plate, Weighing balance, Sintered Glass Crucible, Beaker, 100ml volumetric flask, Wide mouthed bottle with stopper Sodium Carbonate, Brilliant Yellow Paper
3	Assay (on dry basis), Clause 2.2, Table 1, Sl.No. ii)	Hot Air Oven, Weighing balance , Volumetric Flask, Beaker Ice, Hydrochloric Acid, Sodium Nitrite, Potassium Starch Iodide Paper
4	Amido G acid, Clause 2.2, Table 1, Sl.No. iii)	Developing chamber , UV Lamp, Micropipette, Weighing Balance Ammonium Hydroxide, N-propanol water,Benzene Amino G Acid Pure, 2 Napthylamine-3:6:8-trisulphonic acid,Whatman Filter Paper (No.1 or equivalent)

ANNEXURE B

SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1 It is expected that manufacturers (licensees/applicants) will implement a Quality Assurance Plan i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan defining the control unit (i.e. lot/batch etc.) and the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and submit the same to BIS Branch Office for information. The manufacturer shall comply with the same and maintain test records in accordance with para 2.4.

1.3 **RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT**:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is :A single batch of 2 - Naphthylamine - 3 : 6 : 8 - Trisulphonic acid, Technical produced under similar conditions of production.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan. Alternatively, the manufacturer has the option of adherence to the quality plan as per levels of control recommended in column 3 of Table 1.

1.4 However, all manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard.

2. ENSURING COMPLIANCE THROUGH TESTING- It is expected that manufacturers (licensees/applicants) will establish a suitably equipped and staffed in house laboratory (In house testing facility) for testing at least those parameters of the Indian Standard which require routine testing for ensuring quality of the product. This includes in-process controls as may be defined and put in place by the manufacturer and testing parameters/requirements which can only be performed in the factory.

2.1 For the guidance of manufacturers, Table 1 giving the recommended levels of control is given below. Column 2 of Table 1 indicates routine tests where test equipment is required in house as “R” or other tests which can be subcontracted as “S”. Subcontracting is permitted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.2 For MSME manufacturers, the requirement of maintaining a laboratory/in-house testing facility for routine tests (indicated as “R” in Column 2 of Table 1) is also optional.

2.2.1 MSME manufacturers may utilize common cluster based facilities as per guidelines for the utilization of cluster based test facilities by MSMEs or the provisions of Sharing of testing facilities or get testing done from BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025.

2.3 **Large Scale manufacturers shall maintain an in-house laboratory equipped at least with test facilities for routine tests (indicated as "R" in Column 2 of Table 1)**, where different tests given in the specification shall be carried out in accordance with the method given in the specification**.** They shall also implement a calibration plan for the in-house test equipment.

2.3.1 Alternatively, in lieu of an in-house laboratory, large scale manufacturers can also utilize the provisions of Sharing of testing facilities as per the Guidelines for Grant of Licence available on BIS website www.bis.gov.in. (Under Conformity Assessment>Product Certification Process). Even for subcontracted tests, provisions for sharing of testing facilities can be utilized.

2.4 **TEST RECORDS**- The manufacturers maintaining an in-house laboratory or utilizing common cluster based facilities or shared test facilities shall maintain test records for the tests carried out to establish conformity. For the tests being subcontracted to BIS recognized/empanelled laboratory or any other laboratory having valid NABL accreditation as per IS/ISO/IEC 17025, test reports issued by the laboratories shall be available for inspection by BIS.

3. PACKING AND MARKING - The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on each packaging provided always that the material so marked conforms to each requirement of the specification.

3.1 Packing and Marking shall be done as per the clause 3 of the Indian Standard.

3.2 **Additional Marking requirements**: The material shall also be marked with the following additional requirement on each packaging:

a) "For BIS certification details please visit www.bis.gov.in"

4. REJECTION - All the production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. 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 (For Guidance Purpose Only)

TEST DETAILS				Test equipment requirement R: required (or) S: Subcontracting permitted	LEVELS OF CONTROL		REMARKS
Clause	Requirements	Test Method			No. of Samples	Frequency	
		Clause	Reference				
2.1	Description	2.2	IS 11557: 1986	R	Firm to have adequate in-process controls to check compliance of this parameter as given in the Indian Standard. However, appropriate records shall be maintained by the manufacturer for evidence of conformity		
2.2	Matter insoluble in dilute sodium carbonate solution	A-1	IS 11557: 1986	R	1	Each Control Unit	
2.2	Assay (on dry basis)	A-2	IS 11557: 1986	R	1	Each Control Unit	
2.2	Amido G acid	A-3	IS 11557: 1986	R	1	Each Control Unit	