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“जानने का अधिकार, जीने का अधिकार”
Mazdoor Kisan Shakti Sangathan
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”
Jawaharlal Nehru
“Step Out From the Old to the New”

Indian Standard
DUPION RAW SILK — GRADING AND METHODS OF TEST
PART 2 VISUAL EXAMINATION

ICS 59.060.10

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002
FOREWORD

This Indian Standard (Part 2) was adopted by the Bureau of Indian Standards, after the draft finalized by the Silk and Silk Products Sectional Committee had been approved by the Textile Division Council.

Grading of dupion silk is very important from the viewpoint of quality of the dupion silk and the subsequent products made from it. This will also help the farmers to get the right value of their product and remove malpractices in the dupion silk trade. For raw silk, BIS has already published IS 15090 (Parts I to II) 'Raw silk—Grading and methods of tests'.

This standard is published in five parts. The other parts in the series are:

- Part 1: Grading
- Part 3: Determination of special defects
- Part 4: Conducting winding test
- Part 5: Determination of average size and size uniformity range

This standard prescribes a method to inspect visually the uniformity, general finish and characteristic nature of dupion raw silk.

The composition of the Committee responsible for the formulation of this standard is given in Annex B.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2: 1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.
Indian Standard
DUPION RAW SILK — GRADING AND METHODS OF TEST
PART 2 VISUAL EXAMINATION

1 SCOPE
This standard (Part 2) prescribes a method to inspect visually the uniformity, general finish and characteristic nature of dupion raw silk.

2 REFERENCES
The standards given below contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of standard:

<table>
<thead>
<tr>
<th>IS No.</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP 45 : 2006</td>
<td>Handbook on glossary of textile terms (first revision)</td>
</tr>
</tbody>
</table>

3 TERMINOLOGY
For the purpose of this standard the definitions given in IS 15825 (Part 1) and SP 45 shall apply.

4 APPARATUS
The visual inspection shall be conducted in a ‘Standard Visual Inspection Room’ with a window directly facing north which enables the inspector to utilize the natural light free from reflection of any surrounding object, or a standard lighting equipment which emits light closely near in its spectral energy distribution to that of the natural daylight.

5 TEST SAMPLE
All the skeins in a lot shall constitute the test sample.

6 PROCEDURE

6.1 Uniformity
The uniformity of the lot shall be inspected with respect to colour, lusture and hand.

6.1.1 The uniformity of the lot shall be indicated as good, fair or poor.

6.2 General Finish
The general finish of the lot shall be inspected for the presence and degree of the defects listed below:

   a) Hard gum spots;
   b) Gummed skeins;
   c) Improper reel ends;
   d) Improper skein lacing;
   e) Irregular traverse;
   f) Double or irregular skeins;
   g) Improper making of books;
   h) Cut ends;
   j) Bad smell;
   k) Insect eaten thread; and
   m) Soiled thread, etc.

6.2.1 The general finish of a lot shall be indicated as good, fair or poor. Presence of abnormal defects shall be mentioned in the report.

6.3 Colour
The lot shall be inspected for depth of colour and the same shall be recorded as light, medium, deep or very deep.

7 REPORT
The results of the visual inspection of a lot shall be reported in the format given in Annex A.
ANNEXA
(Clause 7)

REPORT OF VISUAL EXAMINATION OF DUPION RAW SILK
[Conducted in accordance with IS 15825 (Part 2)]

Name of testing house ..................................................
Identity of the lot: .....................................................

A) Uniformity
   (a) Good  (b) Fair  (c) Poor

B) General Finish
   (a) Good  (b) Fair  (c) Poor

C) Colour
   (a) Light  (b) Medium  (c) Deep  (d) Very deep

(Words not applicable should be scored out)

Remarks:
Date:

Signature of Tester
# ANNEX B

(Foreword)

## COMMITTEE COMPOSITION

Silk and Silk Products Sectional Committee, TXD 28

<table>
<thead>
<tr>
<th>Organization</th>
<th>Representative(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Silk Technological Research Institute, Bangalore</td>
<td>DR T. H. Somashekar <em>(Chairman)</em></td>
</tr>
<tr>
<td>Association of Corporations &amp; Apex Societies of Handlooms, New Delhi</td>
<td>Shri Subrato Roy <em>(Alternate)</em></td>
</tr>
<tr>
<td>Central Silk Board, Bangalore</td>
<td>Shri Abdual Rehman</td>
</tr>
<tr>
<td>Chamundi Textiles (Silk Mills) Limited, Bangalore</td>
<td>Deputy Secretary <em>(Inspection)</em></td>
</tr>
<tr>
<td>Directorate of Handlooms &amp; Textiles, Government of Tamil Nadu, Chennai</td>
<td>Assistant Secretary *(Inspection) <em>(Alternate)</em></td>
</tr>
<tr>
<td>Himatsingka Seide Limited, Bangalore</td>
<td>Shri A. L. Muthiah</td>
</tr>
<tr>
<td>Indian Silk Export Promotion Council, Mumbai</td>
<td>Shri Thru M. E. Balraj</td>
</tr>
<tr>
<td>Karnataka Silk Industries Corporation, Bangalore</td>
<td>Shri Mohan Rao</td>
</tr>
<tr>
<td>Karnataka State Sericulture Development Institute, Bangalore</td>
<td>Shri S. A. Vishwanath <em>(Alternate)</em></td>
</tr>
<tr>
<td>Khadi &amp; Village Industries Commission, Mumbai</td>
<td>Shri T. V. Maruthi</td>
</tr>
<tr>
<td>National Handloom Development Corporation Ltd, Lucknow</td>
<td>Shri Raj Kumar</td>
</tr>
<tr>
<td>Office of Development Commissioner for Handlooms, Government of India, New Delhi</td>
<td>Shri V. G. Halliyal</td>
</tr>
<tr>
<td>Office of Director of Handloom &amp; Textiles, Government of Karnataka, Bangalore</td>
<td>Shri Ravindra Bhandiwad <em>(Alternate)</em></td>
</tr>
<tr>
<td>Office of the Textile Commissioner, Mumbai</td>
<td>Representative</td>
</tr>
<tr>
<td>Shriram Institute for Industrial Research, Delhi</td>
<td>Shri V. K. Goyal</td>
</tr>
<tr>
<td>Silk Conditioning and Testing House, Bangalore</td>
<td>Shri S. Rautela <em>(Alternate)</em></td>
</tr>
<tr>
<td>The Tamil Nadu Handloom Weaver’s Cooperative Society Ltd, Chennai</td>
<td>Principal, Indian Institute of Handloom Technology, Salem</td>
</tr>
<tr>
<td>Weavers’ Service Centre, Ministry of Textiles, Bangalore</td>
<td>Joint Director <em>(Textiles)</em></td>
</tr>
<tr>
<td>BIS Directorate General</td>
<td>Deputy Director *(Handlooms) <em>(Alternate)</em></td>
</tr>
</tbody>
</table>

Member Secretary

Shri J. K. Gupta
Scientist ‘C’ *(Textiles)*, BIS
Bureau of Indian Standards

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Amendments Issued Since Publication

<table>
<thead>
<tr>
<th>Amendment No.</th>
<th>Date of Issue</th>
<th>Text Affected</th>
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