DRAFT TANZANIA STANDARD

Textiles — Hessian bags — Specification
Foreword

This second edition Draft Tanzania Standard has been prepared in order to assist importers and manufacturers of Hessian bags made from hessian cloth to come up with a product of defined quality.

In the preparation of this Draft Tanzania Standard assistance was derived from a revised;


In reporting the result of a test made in accordance with this Draft Tanzania Standard, if the final value observed or calculated is to be rounded off, it shall be done in accordance with TZS 4 (see clause 2).
1. SCOPE

1.1 This Draft Tanzania Standard specifies requirements and test methods for hessian bags.

1.2 This specification may be used by mutual agreement between the buyer and seller to establish purchasing specification requirements.

2. NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this Draft Tanzania Standard.

- TZS 4, Rounding off numerical values
- TZS 20, Textiles — Woven fabrics — Determination of the number of threads per unit length
- TZS 21, Textiles — Woven or knitted fabrics — Determination of mass per unit length and per unit area
- TZS 44, Textiles Method for determination of length, width of woven or knitted fabrics
- IS 9113, Jute sacking general requirement
- IS 2969, Method for determination of oil content of jute yarn and fabric
- TZS 22, Method for determination of breaking load and extension of strips woven textile fabric
- TZS 691, The General Labelling of all products manufactured from textiles

3. TERMS AND DEFINITIONS

For the purpose of this Draft Tanzania Standard the following terms and definitions shall apply:

3.1 Hemmed bag

bag with raw edges hemmed forming the mouth of the bag.

3.2 Selvedged bag

bag with selvedge forming the mouth of the bag.

3.3 Joined bag

bag made from not more than two pieces of hessian cloth. The joining shall be done in such a manner, so that warp and weft shall run in the same direction.

3.4 Hessian

plain woven jute cloth with single yarns of the same count in the warp and weft.
4. REQUIREMENTS

4.1 Hessian bags

4.1.1 The bags shall be either hemmed or selvedge as agreed to between the buyer and the seller.

4.1.2 The bags shall be made from single pieces of plain woven hessian cloth conforming to the requirements prescribed in Table 1.

4.3 Seam
The bag shall be sewn with overhead or herakle stitches. The sewing shall be done through two thicknesses of the cloth if both the edges to be sewn are selvedges. In case of raw edge(s), turning shall be done to a depth of at least 4.0 cm before sewing. The stitching shall be of even tension throughout with all the loose ends secured so that the stitch does not open up. The number of stitches per decimetre shall be from 9 to 11. For overhead or herakle stitches, two strands or jute twine of count 310 tex × 3 (9 grist × 3) shall be used.

4.3.1 Safety Stitch
A line of safety union stitch may be provided at the inner edges of the overhead and herakle stitches using 2 ply jute twine of 310 tex × 2 (9 grist × 2) if agreed to between the buyer and the seller. The number of safety union stitches per decimetre shall be from 9 to 11.

4.4 Hemming at the Mouth
In the case of hemmed bags, the raw edges at the mouth of the bags shall be turned over first to a depth of about 1.5 cm and then to a depth of about 2.5 cm. The three thicknesses of hessian thus formed shall be hemmed. The number of stitches per decimetre in the hem shall be from 9 to 11. The count of the hemming twine shall be 310 tex (9 grist).

4.5 Joined Bag
The seam used to join the two pieces of hessian in a joined bag shall have strength not less than the breaking strength of the seam as specified in Table 1 and shall be sufficiently tight to prevent sifting or leakage of the content of the bag.

5. SPECIFIC REQUIREMENTS

5.1 The hessian bags shall conform to the requirements specified in Table 1 unless specifically agreed to between the buyer and the seller.
Table 1 – Requirement of hessian bags

<table>
<thead>
<tr>
<th>S/n</th>
<th>Characteristic</th>
<th>Requirement</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dimensions</td>
<td>The outside dimensions of the bag shall be as agreed to between the buyer and the seller. However, it shall be within the tolerance limit of ±2 of the declared nominal value.</td>
<td>TZS 44</td>
</tr>
<tr>
<td>2</td>
<td>Mass per unit area g/m², min</td>
<td>213</td>
<td>TZS 21</td>
</tr>
<tr>
<td>3</td>
<td>Mesh size, min</td>
<td>- Ends per dm 37, min 30</td>
<td>TZS 20</td>
</tr>
<tr>
<td>4</td>
<td>Moisture regain, %/max</td>
<td>17</td>
<td>IS 9113</td>
</tr>
<tr>
<td>5</td>
<td>Oil content, percent on dry de-oiled material basis max</td>
<td>8</td>
<td>IS 2969</td>
</tr>
<tr>
<td>7</td>
<td>2. Seam strip (5 cm x 20 cm) N(kgf), min</td>
<td>a) Warpway 245(25), b) Weftway 206(21)</td>
<td>IS 2818</td>
</tr>
</tbody>
</table>

6. PACKING AND MARKING

6.1 Packing

The Hessian bags shall be packed in bales as agreed to between the buyer and the seller.

6.2 Marking

The bales shall be marked as laid down in TZS 691 (see clause 2). Additional markings shall be made as stipulated by the buyer.

7. CRITERIA FOR CONFORMITY

The lot shall be considered as conforming to the requirements of this Draft Tanzania Standard if conditions specified in Table 1 are met.