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UGANDA STANDARD

Specification for

Woven bags made from natural fibres for milled products

First edition: November 2000

UGANDA NATIONAL BUREAU OF STANDARDS

Price group

Descriptors:

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ICS 55.080
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The following table will assist the user to update the standard

<table>
<thead>
<tr>
<th>Clause</th>
<th>Amendment No.</th>
<th>Date of Issue</th>
<th>Text affected</th>
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NOTE:

1. Compliance with this Standard does not, of itself confer immunity from legal obligations.

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SPECIFICATION FOR WOVEN BAGS MADE FROM NATURAL FIBRES FOR MILLED PRODUCTS

1. SCOPE
This Uganda Standard specifies the sacking and making-up requirements for woven bags made from natural fibres for packing and storage of milled products.

2. NORMATIVE REFERENCES
♦ US -1: Method for determination of mass per unit length or area of woven or knitted fabrics.
♦ US 246, Specification for woven bags made from natural fibres for cereals and pulses.
♦ US -: Method for test for woven bags.
♦ US -:: Method for determination of added oil content of sisal and/or jute yarn or fabric.

3. DEFINITIONS
For the purpose of this draft Uganda Standard, the definitions given in US 246, apply.

4. REQUIREMENTS
4.1 Sacking
4.1.1 Construction and properties. The sacking shall be woven from natural fibre yarns and shall comply with the requirements in Table 1.
4.1.2 Freedom from defects. The sacking when visually examined shall be free from weaving defects such as holes, tears, floats, crushed selvages, spots and stains.

Table 1: Sacking Construction and Properties

<table>
<thead>
<tr>
<th>CHARACTERISING</th>
<th>REQUIREMENTS</th>
<th>TEST METHOD</th>
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<tbody>
<tr>
<td>Mass per unit area g/m² minimum</td>
<td>650</td>
<td>US -</td>
</tr>
<tr>
<td>Warp (ends) per 10 cm min</td>
<td>34</td>
<td>US -</td>
</tr>
<tr>
<td>Weft (shots) per 10 cm min</td>
<td>56 (i.e. 28 x 2)</td>
<td>US -</td>
</tr>
<tr>
<td>Sacking breaking force, N min</td>
<td>800</td>
<td>US -</td>
</tr>
<tr>
<td>- Warp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Weft</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Added Oil Content, max.</td>
<td>5%</td>
<td>Us 246</td>
</tr>
<tr>
<td>Moisture regain, max.</td>
<td>10%</td>
<td>US -</td>
</tr>
</tbody>
</table>

4.2 Making-Up
4.2.1 Stitching Thread
The stitching thread shall be of natural fibres including cotton or man-made fibres.

4.2.2 Stitch Density
The minimum number of stitches per 10 cm shall be 12. This shall be determined in accordance with clause 4.2.3.

4.2.3 Determination of Stitch Density
Count the number of stitches over a length of 10 cm on each side seam and bottom seam (if any) of each bag. Space the measurements so that both sides are adequately assessed. Calculate the mean reading and report the mean for each bag.

1 US-, To be developed.
4.2.4 Hemming
Where selvages do not form the mouth hems, the raw edges of the sacking at the mount of the bag shall first be returned over to a depth of at least 1.5 cm then to a depth of at least 1.60 cm and the three layers of the sacking thus formed shall be firmly stitched.

4.3 Seam Strength
The minimum breaking force of seam shall be 800 newtons. This shall be determined in accordance with US -

4.4 Inside Dimensions and Mass Per Bag
The minimum inside dimensions of the bag and the mass per bag shall be as specified in Table 2.

<table>
<thead>
<tr>
<th>Bag Capacity Kg</th>
<th>Inside Width cm</th>
<th>Inside Length cm</th>
<th>Mass per bag gm</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>50</td>
<td>76</td>
<td>580</td>
</tr>
<tr>
<td>90</td>
<td>68</td>
<td>112</td>
<td>1050</td>
</tr>
</tbody>
</table>

4.5 Identification of the Bag
For purposes of identification, there be a minimum of two bands of coloured threads woven into the sacking of each bag. Each band shall have a minimum of two threads. The colours used shall be clearly visible.

5 PACKING
The bags shall be packed in bales of the agreed quantity. The bales shall be wrapped or covered with suitable materials and securely bound or stitched to prevent damage/or contamination.

6 MARKING
The following information shall be clearly marked on each bale: -

a)   manufacturer’s name or registered trade mark;
b)   Description of goods;
c)   Quantity of pieces;
d)   Lot number;
e)   Gross mass of the bale; and
f)   Dimensions of bag
g)   Made in Uganda (or country of origin if not made in Uganda)