

# DRAFT UGANDA STANDARD

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## Handcrafted Jewellery — Specification

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## Foreword

Uganda National Bureau of Standards (UNBS) is a parastatal under the Ministry of Trade, Industry and Cooperatives established under Cap 327, of the Laws of Uganda, as amended. UNBS is mandated to coordinate the elaboration of standards and is

- (a) a member of International Organisation for Standardisation (ISO) and
- (b) a contact point for the WHO/FAO Codex Alimentarius Commission on Food Standards, and
- (c) the National Enquiry Point on TBT Agreement of the World Trade Organisation (WTO).

The work of preparing Uganda Standards is carried out through Technical Committees. A Technical Committee is established to deliberate on standards in a given field or area and consists of key stakeholders including government, academia, consumer groups, private sector and other interested parties.

Draft Uganda Standards adopted by the Technical Committee are widely circulated to stakeholders and the general public for comments. The committee reviews the comments before recommending the draft standards for approval and declaration as Uganda Standards by the National Standards Council.

The committee responsible for this document is Technical Committee UNBS/TC 301-Crafts and related products

# Handcrafted Jewellery — Specification

## 1 Scope

This draft Uganda Standard specifies requirements and test methods for handcrafted jewellery. The standard applies to handcrafted jewellery as defined in clause 3.1.

## 2 Normative references

The following referenced documents referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 16373-2, *Textiles — Dyestuffs — Part 2: General method for the determination of extractable dyestuffs including allergenic and carcinogenic dyestuffs (method using pyridine-water)*

ISO 16373-3, *Textiles — Dyestuffs — Part 3: Method for determination of certain carcinogenic dyestuffs (method using triethylamine/methanol)*

ISO 6503, *Paints and varnishes\_ Determination of total lead \_ Flame atomic absorption spectrometric method.*

US ISO 105-B02, *Textiles — Colour fastness, Part B02: Determination of colour fastness to artificial light: Xenon arc fading lamp test*

US ISO 105-C10, *Textiles — Tests for colour fastness — Part C10: Colour fastness to washing with soap or soap and soda*

US ISO 105-X12, *Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1 jewellery

a product principally designed and intended for use as an ornament and may include the following:

- a) Anklet;
- b) Arm cuff;
- c) Bracelet;

- d) Brooch;
- e) Chain;
- f) Crown or tiara;
- g) Cuff link;
- h) Hair accessory with significant decorative elements;
- i) Earrings;
- j) Ear cuffs;
- k) Necklace;
- l) Pins (such as tie tacks and trading pins);
- m) Rings;
- n) Body piercing jewellery; and
- o) Jewellery placed in the mouth for display or ornament.

### **3.2 dye**

natural or synthetic substance soluble in water used to add a colour to or change the colour of material

## **4 Requirements**

### **4.1 General Requirements**

**4.1.1** Materials used for making handcrafted jewellery such as dyes, varnish, magnets shall not have any adverse effect on human health and the environment.

**4.1.2** The product shall be free from unintended cracks, stains, spots, color variations and any other defect.

**4.1.3** The product shall have smooth polished surfaces. The corners and the concealed solder joints must also be polished

**4.1.4** The product shall be firm. The solder joints shall be firmly fixed.

**4.1.5** Where sharp objects are used, the edges or ends shall be finished or secured to prevent injury to the users.

**4.1.6** The handcrafted jewellery shall be made to the specifications of the buyer in terms of design and colour unless otherwise stated.

## **5 Specific requirements**

### **5.1 Materials**

Handcrafted jewellery shall be made from natural or synthetic materials used as one or combined raw materials. These may include:

- a) beads such as paper beads, metallic beads, plastic beads, wooden beads, glass beads, seeds;
- b) precious metals such as gold, silver, platinum, palladium, rhodium, osmium, iridium, ruthenium, titanium;
- c) stainless steel;
- d) leather;
- e) cow horn;
- f) threads;
- g) recycled materials among others.

## 5.2 Lead content limits

For products which are painted or where a surface coating of paint is used, they shall meet the lead content limits as shown in Table 1:

**Table 1 — Lead content limits for handcrafted jewellery**

Materials covered	Maximum total lead limits	Test method
Paint or surface coating	90 ppm	ISO 6503

## 5.3 Drop test (impact resistance)

### 5.3.1 Procedure

5.3.1.1 The finished product without any packaging is dropped from a height of 0.9-1.2 m

5.3.1.2 This is repeated three more times

### 5.3.2 Result

The product must remain intact

## 5.4 Colour fastness

**Table 2 — Colour fastness requirements for handcrafted jewellery**

SI No	Agency		Numerical rating		Test method
			Colour change	Staining	
i)	Light		4-5	-	US ISO 105-B02
ii)	Washing		3-4	3-4	US ISO 105-C10
iii)	Rubbing	dry	-	4	US ISO 105-X12

	(min)	wet	-	3	
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## 5.5 Restricted colorants

**5.5.1** Where colorants have been applied on the handcrafted jewellery, the dyed jewellery shall not contain dyestuffs specified in ISO 16373-2 and ISO 16373-3.

**5.5.2** The aromatic amine and dyes listed in Annex A and B shall not be used.

## 5.6 Dimensions/sizes

The size of the handcrafted jewellery shall be as agreed between the manufacturer/supplier and buyer unless otherwise.

## 6 Packaging

The handcrafted jewellery shall be suitably packed individually or in bulk, as agreed to between the buyer and the seller, care being taken to avoid the products from getting damaged when packed.

## 7 Labelling/Marking

### 7.1 Labelling/Marking on the individual package

The bulk package shall be legibly and indelibly marked or a label shall be attached with it giving the following particulars or in accordance with the agreement between the buyer and the seller

- a) name of the product such as, "earrings";
- b) manufacturer's name, trademark or any other identification mark;
- c) materials used;
- d) care instructions; and
- e) Country of origin.

### 7.2 Labelling/Marking on the bulk package

- a) name of the product such as, "earrings";
- b) manufacturer's name, trademark or any other identification mark;
- c) number of pieces in the bulk package; and
- d) Country of origin.



**Annex A**  
(normative)

**List of dye stuffs prohibited**

SN	C.I. Generic Name	Structure C.I.No.
1	Acid Orange 45	22195
2	Acid Red 4	14710
3	Acid Red 5	14905
4	Acid Red 24	16140
5	Acid Red 26	16150
6	Acid Red 73	27290
7	Acid Red 85	22245
8	Acid Red 114	23635
9	Acid Red 11	27200
10	Acid Red 116	26660
11	Acid Red 128	24125
12	Acid Red 148	26665
13	Acid Red 150	27190
14	Acid Red 158	20530
15	Acid Red 167	
16	Acid Red 264	18133
17	Acid Red 265	18129
18	Acid Red 420	
19	Acid Violet 12	18075
20	Acid Violet 49	42640
21	Acid Brown 415	
22	Acid Brown 29	
23	Acid Brown 94	30336
24	Acid Brown 131	
25	Acid Brown 132	
26	Acid Brown 209	
27	Azoic Diazo Component 11	37085
28	Azoic Diazo Component 12	37105
29	Azoic Diazo Component 48	37235
30	Azoic Diazo Component 112	37225
31	Azoic Diazo Component 113	37230

## Annex B (informative)

### List of banned Amines

SN	Aromatic Amine	CAS number (Chemical Abstract Service Number)
1	Biphenyl-4-ylamine 4-aminobiphenyl xenylamine	92-67-1
2	benzidine	92-87-5
3	4-chloro-o-toluidine	95-69-2
4	2-naphthylamine	91-59-8
5	o-aminoazotoluene 4-amino- 2',3dimethylazobenzene 4-o-tolylazo-o-toluidine	97-56-3
6	5-nitro-o-toluidine	99-55-8
7	4-chloroaniline	106-47-8
8	4-methoxy-m-phenylenediamine	615-05-4
9	4,4'-methylenedianiline 4,4'-diaminodiphenylmethane	101-77-9
10	3,3'-dichlorobenzidine 3,3'-dichlorobiphenyl-4, 4'-ylenediamine	91-94-1
11	3,3'-dimethoxybenzidine odianisidine	119-90-4
12	3,3'-dimethylbenzidine 4,4'-bi-o-toluidine	119-93-7
13	4,4'-methylenedi-o-toluidine	838-88-0
14	6-methoxy-m-toluidine pcesidin	120-71-8
15	4,4'-methylene-bis-(2-chloro-aniline) 2,2'-dichloro-4,4'-methylene-dianiline	101-14-4
16	4,4'-oxydianiline	101-80-4
17	4,4'-thiodianiline	139-65-1
18	o-toluidine 2-aminotoluene	95-53-4
19	4-methyl-m-phenylenediamine	95-80-7
20	2,4,5-trimethylaniline	137-17-7
21	o-anisidine	90-04-0
22	2-methoxyaniline	66-76-3
23	4-aminoazobenzene paminoazobenzene	60-09-3

24	2,4-xylydine	95-68-1
25	2,6-xylydine	87-62-7

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## Bibliography

- [1] ASTM F2999-19, *Standard consumer safety specification for adult jewellery*

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## Certification marking

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