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THE UGANDA NATIONAL BUREAU OF STANDARDS ACT, 1983

(Act No. 1 of 1983, Section 14)

NOTICE

NOTICE FOR DECLARATION OF NATIONAL STANDARDS

IT IS HEREBY NOTIFIED for general information that the National Standards Council in exercise of the powers conferred upon the Council by Section 14 of the Uganda National Bureau of Standards (UNBS) Act, 1983 hereby declare that the following Standard Specifications, the scopes of which appear hereunder are elaborated Uganda National Specifications.

The National Standards Council therefore calls upon all interested persons or parties that may have any objection declaring the Standard Specifications indicated below as Uganda Standards to lodge their objection within 60 days from the date of publication of this notice. These standards may be viewed (and/or obtained at a fee), at the UNBS, Plot M217 Nakawa Industrial Area, P.O. Box 6329, Kampala, Tel: 222367/505995, 031 262688/689, Fax 286123, E-mail: unbsafs@sat.com

QUALITY MANAGEMENT AND QUALITY ASSURANCE STANDARDS

1. US ISO 9000: 2000 Quality management systems — Fundamentals and vocabulary

Scope This Uganda Standard describes fundamentals of quality management systems, which form the subject of the US/ISO 9000 family, and defines related terms.

This standard replaces US ISO 9000:1994

2. US ISO 9001: 2000. Quality management systems — Requirements

Scope This Uganda Standard specifies requirements for a quality management system where an organization:

(a) needs to demonstrate its ability to consistently provide products that meets customer requirements and applicable regulatory requirements, and

(b) aims to enhance customer satisfaction through the effective application of the system, including process for continual improvement of the system and the assurance of conformity to customer and applicable regulatory requirements

This standard replaces US ISO 9001: 1994

3. US ISO 9004: 2000 Quality management systems — Guidelines for performance improvements

Scope This Uganda Standard provides guidelines beyond the requirements given in DUS ISO 9001 in order to consider both effectiveness and efficiency of a quality management system, and consequently the potential for improvement of the performance of an organization. When compared to US/ISO 9001, the objectives of customer satisfaction and product quality are extended to include satisfaction of interest parties and the performance of the organization.

This standard replaces US ISO 9004:1994

4. US ISO 14011:2000 Guidelines for quality and/or environmental management systems auditing

Scope This Uganda Standard provides guidance in the principle of auditing, managing audit programmes, conducting quality management audits and environment management audits as well as guidance on the competence of quality and environment management systems auditors.

5. US ISO/IEC 17025: 1999 - General requirements for the competence of testing and calibration laboratories

Scope This Uganda standard specifies the general requirements for the competence to carry out tests and/or calibrations, including sampling. It covers testing and calibration performed using standard methods, nonstandard methods, and laboratory-developed methods.

AGRICULTURAL AND FOOD STANDARDS

1. US EAS 69 :1999 Pasteurized liquid milk Specification

Scope This Uganda Standard specifies requirements for pasteurized liquid milk offered for sale and intended for human consumption as it is.

2. US EAS 67:1999 Unprocessed (raw) whole milk Specification

Scope This Uganda Standard specification covers the quality requirements of unprocessed (raw), normal cow milk.

3. **US EAS 56: 1999 Fresh mushrooms -Specification**
Scope This draft Uganda Standard prescribes requirements for edible mushrooms of *Agaricus bisporus* species in fresh condition to be supplied for export and local markets. It stipulates requirements for grading and packaging of the produce from the dispatching stage to the market.

BUILDING AND CONSTRUCTION STANDARDS

1. **US 155-1: 2004 Specification for steel bars for the reinforcement of concrete—Part 1: plain bars.**
Scope This Uganda standard specifies requirements for weldable steel bars for the reinforcement of concrete. It covers plain round steel bars in grade 250 and deformed high yield steel bars in grade 460.
2. **US 155-2: 2004 Specification for steel bars for the reinforcement of concrete—Part 2: Ribbed bars**
Scope This Uganda standard specifies requirements for weldable steel bars for the reinforcement of concrete. It covers ribbed steel bars in grade 250 and deformed high yield steel bars in grade 460.
3. **US 366-1:2004 - Masonry cement - Part Specification**
Scope This standard gives the definition and composition of masonry cements as commonly used in Uganda for the production of mortar for bricklaying and for rendering and plastering. It includes physical, mechanical and chemical requirements and defines strength classes. US 366-1 also state the conformity criteria and the related rule. Necessary requirements are also given.
4. **US 366-2:2004 - Masonry cement - Part Test methods**
Scope This Uganda standard describes reference and alternative test methods to be used when testing masonry cement to assess their conformity to US 366-1. It gives the test on fresh mortar for consistence, water retention, air content and workability. In the event of dispute, only reference methods are used.

MECHANICAL ENGINEERING AND METALLURGY STANDARDS

1. **US 220: 2003 - Specification for hoes, both plain and fork hoes**
Scope This Uganda Standard specifies the requirements for forged hoes; both plain and fork hoes used for digging.
2. **US 252 - Low pressure gas cylinders Specification for welded low carbon steel gas cylinders exceeding 5 - litre water capacity for low pressure liquefiable gases**
Scope This standard deals with welded low carbon steel cylinders intended for storage and transportation of low pressure liquefiable gases, other than toxic gases, of nominal capacity, above 5 litres up to including 250 litres water capacity and design pressure of 18 N/mm². This standard lays down the requirements for the material to be used in their manufacture of cylinders, their construction, marking and testing.

3. **US 512 :2003 Specification for axes and hatchets**
Scope This Uganda standard specifies the requirements on dimensions, weight and performance for axes and hatchets.
4. **US 517: 2003 - Machinery and equipment for working the soil - Mouldboard plough working elements - Vocabulary**
Scope This Uganda standard defines terms for soilworking elements of agricultural mouldboard ploughs and their parts.
5. **US 518-1: 2003 -Agricultural equipment - Equipment for working the soil - Animal drawn mouldboard plough - Part 1.: Fixed type Specification**
Scope This Uganda standard Part 1 prescribes material, dimensions and other requirements of fixed type animal drawn mouldboard plough used for tilling land.
6. **US 519: 2003-Agricultural equipment- Equipment for working the soil - Hoe blades - Fixing dimensions**
Scope This Uganda standard specifies the fixing dimensions of hoe blades with working width up to and including 220 mm.
7. **US 525:2003 - Agricultural equipment - Equipment for working the soil fixing bolts for soil working elements**
Scope This Uganda standard specifies dimensions and characteristics of three types of bolts for fixing soilworking elements.
8. **US 526: 2003 - Steel hardness conversion**
Scope This Uganda standard specifies conversion bands for hardness scales for steel. It compares hardness values for the following standard methods; Vickers/Brinell (steel ball) HV-HBS, Vickers/Brinell (hard metal ball) HV-HBW, Vickers / Rockwell scales A HVHRA, Vickers / Rockwell scales B HV-HRB, Rockwell scales C HV-HRC, Rockwell scales D HV-HRD.
9. **US 527 -1: 2003 - Metallic materials Rockwell hardness test. Part 1. Test methods (scales A,B,C,D,E,F,G,H,K,N,T)**
Scope This part of US 528 specifies the method for Rockwell and Rockwell superficial hardness tests scales (scales and filed of application in accordance with Table 1 for metallic materials. For specific materials and /or products other specific Uganda (international) standards apply (for instance ISO 378-1 and ISO 4498-1)
10. **US 527 -2: 2003 Mettalic materials Rockwell hardness test. Part 2. Verification and calibration of testing machines (scales A,B,C,D,E,F,G,H,K,N,T)**
Scope This part of US 527 specifies a method of verification of testing machines for determining Rockwell hardness (scales A, B, C, D, E, F, G, H, K, N, T). It specifies a direct method for checking the main

functions of the machine and an indirect method suitable for the overall checking of the machine. The indirect method may be used on its own for periodic routine checking of the machine in service. If a testing machine is also used for other methods of hardness testing, it shall be verified independently for each method. This part of US 527 is applicable to portable hardness testing machines with the exception of requirements in clause 6.1a) in which the word "relocation" does not apply.

11. US 527 -3:2003 - Metallic materials hardness test Part 3 - Calibration of reference blocks (scales A,B,C,D,E,F,G,H,K,N,T)

Scope This part of US 527 specifies a method of the calibration of reference blocks to be used for the indirect verification of Rockwell hardness testing machines (scales A, B, C, D, E, F, G, H, K, N, T) as specified in US 527-2.

12. US 528 -1:2003 - Metallic materials - Brinell hardness test. Part 1 Test method

Scope This part of US 528 specifies the method for the Brinell hardness test for materials and is applicable up to the limit of 650 HBW. For specific and /or products, particular International standards exists (i.e. ISO 4498-1)

13. US 528 -2:2003 - Metallic materials - Brinell hardness test. Part 2. Verification and calibration of testing machines

Scope This part of US 5287 specifies a method of verification of testing machines for determining Brinell hardness in accordance with US 528-1 / ISO 6506-1. It specifies a direct method for checking the main functions of the machine operation and an indirect method suitable for checking the overall machine operation. The indirect method may be used independently for periodic routine checking of the machine in service. If a testing machine is also used for other methods of hardness testing, it shall be verified independently for each method. This part of US 517 is applicable to portable hardness testing machines with the exception of requirements in clause 6.1 a) in which the word "relocation " does not apply.

14. US 528 -3:2003 - Metallic materials - Brinell hardness test. Part 3. Calibration of reference blocks

Scope This part of US 527 specifies a method of the calibration of reference blocks which are intended for use in the indirect verification of Brinell hardness testing machines as described in US 528-2.

15. US 529 -2:2003 Metallic materials Hardness test. Vickers test. Part 1. HV 0, 2 to less than HV 100.

Scope This part of US 529 specifies the method of Vickers hardness test HV 5 to HV 100 (test forces from 49,03 N to 980,7 N) for metallic materials. See table I

16. US 529 -2:2003 Mettalic material - Hlardness test. Vickers test. Part 1. HV 0,2 to less HV 5

Scope This part of US 529 specifies the method of Vickers hardness test HV), 2 to HV 5 (test forces from 1,961 N to 49.03 N) for metallic materials. See table I

TEXTILES AND APPARELS STANDARDS

1. US 502:2003 - Code of practice for inspection and acceptance criteria for used textile products (Mitumba)

Scope: This Uganda Standard prescribes a Code of practice for inspection and acceptance criteria for used textile products.

TRANSPORT SECTOR STANDARDS

1. US 479:2004 - Code of practice for inspection of vehicles for roadworthiness

Scope This code of practice specifies general, safety and environmental requirements for Road Vehicles and also includes inspection schedule for Road Vehicles.

2. US 513: 2004 Specification for new pneumatic tyres - Passenger cars

Scope This Uganda Standard specifies tyre dimensions, designation and marking requirements; and load ratings. It also gives laboratory test requirements for bead unseating resistance, strength, endurance and highspeed performance for tyres primarily intended for passenger cars.

3. US 514:2004 - Specification for new pneumatic tyres - Trucks and Buses

Scope This draft Uganda Standard specifies tyre dimensions, designation, marking requirements and load ratings. It also gives test requirements for strength endurance for tyres primarily intended for trucks and buses.

4. US 515:2004 - Specification for new pneumatic tyres - Light Trucks

Scope This draft Uganda Standard specifies tyre dimensions, designation, marking requirements and load ratings. It also gives laboratory test requirement for bead unseating, strength and endurance performance for Light Truck tyres. This Uganda Standard also specifies sampling methods and disposal of non-conforming tyres.

5. US 516: 2004- Specification for new pneumatic tyres- Agricultural implements

Scope This Uganda standard specifies tyre dimensions, designation and marking requirements and load ratings. It also gives laboratory test requirements for strength for primary tyres intended for agricultural implements. All tyres however shall be subjected to visual inspection to ensure no signs of poor workmanship. It includes the physical dimensions test for assessing the capability of tyre, with respect to size and specified rims. The test methods presented in this Uganda Standard applies to all agricultural implements tyres. This Uganda standard also specifies sampling methods, certification and disposal of non-conforming tyres.

6. US 522 -1:2004 Definitions of some terms used in the tyre industry - Part 1. - Pneumatic tyres

Scope This part of US 522 defines a number of significant terms related to pneumatic tyres used in the tyre industry, together with corresponding codes, symbols and values.