



DRAFT TANZANIA STANDARD

Hand wash Kit- Specification

TANZANIA BUREAU OF STANDARDS

This draft Tanzania Standard was published under the authority of the Board of Directors of Tanzania Bureau of Standards on yyy-mm-dd.

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Tanzania Commission for Science and Technology (COSTECH)
Ministry of Works and Transportation (MoWT)
National Housing Corporation (NHC)
Contractors Registration Board (CRB)
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The organizations marked with an asterisk (*) in the above list, together with the following were directly represented on the Technical Committee entrusted with the preparation of this Tanzania Standard:

Ministry of Water (MoW)
Ministry of Health
Dar Es Salaam Water and Sewerage Authority (DAWASA)
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0 National Foreword

The Tanzania Bureau of standards is the statutory national standards body for Tanzania, established under the Act.No.3 of 1975, amended by Act.No.2 of 2009

This draft Tanzania Standard is being prepared by the BCDC 7 Sanitation Structures and Sanitary Appliances Technical Committee, under the supervision of the Building and Construction Standards Divisional Committee (BCDC)

Draft for Stakeholders' comments only

1. Scope

This draft Tanzania Standard specifies performance requirements, sampling and method of test for hand wash kit.

This standard is only applicable to hand wash kit that are made of plastic material.

2. Normative reference

The following referenced documents are indispensable for the application of this draft Tanzania Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

TZS 1876/ISO 472, *Plastics — Vocabulary*

3. Terms and definitions

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

3.1

plastic

Material which contains as an essential ingredient a high polymer and which, at some stage in its processing into finished products, can be shaped by flow.

3.2

Hand washing kit

Comprises of appliances and accessories for hand washing that including water holding facility, hand washing basin, drainage system, soap holder.

3.3

speck

defect caused by agglomerates, aggregates and primary particles of the colorant and/or extender, impurities of basic test polymer

3.4

Bubbles

entrapped air or material in the pan.

3.5

reversion

the reduction on length expressed as a percentage of the initial length of the specimen.

3.6

Short-short

Incomplete filling of the mold

3.7

knit lines

lines showing where two molten masses of plastic did not fully weld upon meeting in the mold during the filling portion of the cycle.

3.8

delamination

poorly fused material.

3.9

burns

locally at the weld line or generally burned material.

4. Performance Requirements

4.1 The washbasin shall drain for five minutes without overflowing when tested in accordance with Annex A.

4.2 Hand wash kit may be made in different patterns and/or sizes where so agreed to between the manufacturer and the purchaser, all other requirements as laid down in this standard shall be complied with.

4.3 Potable water used for handwashing purposes shall be integrated to the handwashing kit.

4.4 The handwashing kit shall be of a complete set.

4.5 Soap holder shall be an integral part of handwashing base

4.6 Each handwashing kit shall have a potable discharge nozzle of minimum internal diameter of 3mm. The nozzle accommodates and releases handwashing water at a minimum rate of 120mls per min.

5. Test method

Hand wash kit shall be tested according to validated test method(s), analysis or any other established methods. Recommended test methods are depicted in annex A.

6. Sampling and inspection

Sampling and inspection shall be done in accordance with BCDC 7 (839) DTZS.

7. Marking, labelling and Packing

Each piece of handwash kit shall be legibly and indelibly marked at a suitable place with the following:

- a) Name and/or trademark of the manufacturer;
- b) country of origin;
- c) batch/lot number and
- d) Instruction of handling and use

The hand wash kit shall be packed as agreed to between the purchaser and the supplier.

8. Instructions

Each pan shall be supplied with a label giving the following instructions:

- a) Wash with water
- b) Avoid abrasive or scoring powder
- c) Do not place near fire
- d) Do not use hard or wire brush for cleaning
- e) Washing liquid should have a pH range between 6.5 to 8.5

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**Annex A
(Normative)**

Overflow test

Hand wash kit shall be installed in a stand with a pop up waste fitting. The rate of water supply shall be adjusted to 9.5 l/min. The waste-outlet shall be closed. The elapsed time from the onset of water flowing into the overflow opening until the water begins to overflow the flood level shall be measured.

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