

DRAFT TANZANIA STANDARD

**TBS/CDC 7(3737) P3 Code of Hygienic Practice for the Production,
Packaging, Transportation, Storage and Sale of Iodated Salt**

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TANZANIA BUREAU OF STANDARDS

Foreword

This Draft Tanzania Standard is being developed by the Industrial and Laboratory Chemicals Technical Committee under supervision of the Chemical Division Standards Committee and it is in accordance with the procedures of the Bureau.

A need has been felt to prepare a guideline for hygienic practice for production, packaging, transportation, storage and sale of Iodated Salt because of importance of iodine as a micronutrient needed for human health. Iodine deficiency disorders include mental retardation, brain damage, growth impairment to children and goiter, which can be prevented by use of iodized salt and effective monitoring of iodine nutrition.

The guide is meant to directly contribute to the overall effort to strengthen food fortification in our country. It is our hope that the use of this guide will help strengthen food control activities in our country in order to deliver safe and quality fortified foods to the Tanzania population.

This Draft Tanzania Standard has been prepared with assistance drawn from:
FDA/FID/CP-FOR/2013/02 Code of practice for the manufacture, packaging, transportation, storage and sale of iodated salt published by Ghana Food and Drugs Board.

Code of Hygienic Practice for Production, Packaging, Transportation, Storage and Sale of Iodated Salt

1. Scope

This Draft Tanzania Standard prescribes the code of hygienic practice for production, packaging, transportation, storage and sale of iodated salt.

2. Normative references

The following referenced document is indispensable for the application of this document; the latest edition of the referenced document (including any amendments) applies;

TZS 132/EAS 35 *Edible common salt – Specification*

TZS 538 *Packaging and labeling of foods*

3. Terms and definitions

For the purpose of this code:

3.1

Raw/refined salt

crystalline product consisting predominantly of sodium chloride obtained from the sea, underground rock salt deposits or natural brine

3.3

Iodation

process of adding iodine as potassium iodate to raw/refined salt

3.4

Iodated salt

salt obtained from iodation of raw/refined salt with potassium iodate

3.5**Logo**

approved symbol for iodated salt

4. Requirements**4.1 General requirements**

No salt shall be offered for sale unless it is appropriately iodated in accordance to TZS 132/EAS 35 (see clause 2).

4.2 Specific requirements**4.2.1 Hygienic Requirements in Production or Mining of Raw Salt**

4.2.1.1 Salt shall not be mined/harvested at areas where the presence of potentially harmful substances would lead to an unacceptable level of such substances in the salt.

4.2.1.2 Methods and procedures associated with mining and production shall be hygienic in order not to constitute a potential health hazard or result in contamination of the product. It shall provide adequate protection of the salt from contamination.

4.2.1.3 Equipment and containers used for harvesting and production shall be constructed and maintained as not to constitute a hazard to health. Containers which are re-used shall be of such material and construction as will permit easy and thorough cleaning. They shall be cleaned and maintained clean.

4.2.1.5 Raw/refined salt shall be stored under conditions which provide protection against contamination and minimize damage and deterioration.

4.2.2 Transportation of Raw/refined Salt

(a) Conveyances for transporting raw/refined salt from the production or mining area shall be adequate for the purpose intended and should be of such material and construction as will permit easy and thorough cleaning. They should be cleaned and maintained clean.

(b) Handling procedures shall be such as will prevent raw/refined salt from being contaminated.

4.2.3 Iodation and handling of salt

4.2.3.1 Salt shall be iodated to prevent Iodine-Deficiency Disorders (IDD) for public health reasons in compliance with TZS 132/EAS 35 (see clause 2).

(a) Food grade salt shall be fortified with potassium iodate.

(b) In any salt iodation process, it is important to ensure that salt contains the recommended amount of iodine.

(c) Iodated salt shall be packaged, stored, transported and handled in such a manner as to minimize the loss of iodine, as provided for in clause 4.2.5 of this guideline.

4.2.3.2 The maximum and minimum levels of iodine used for the iodation of salt, food additives and of contaminants that may be present shall be in accordance with TZS 132/EAS 35 (see clause 2).

4.2.4 *Labelling*

Salt packages shall be labeled according to TZS 132/EAS 35 (see clause 2).

4.2.4.1 *Name of the Product*

The name of the product, as declared on the label shall be “salt” in close proximity to the brand name.

(a) The name “salt” shall have in its close proximity a declaration of either “Food Grade” or “Cooking Salt” or “Table Salt”.

(b) The logo for iodated salt shall be clearly and visibly marked on the label.

(c) The term “dendritic” may be included in the name when salt contains one or more ferrocyanide salts, added to the brine during the crystallization step.

(d) The inscription, “iodated salt”, or “salt fortified with iron”, “salt fortified with vitamins” and so on, as appropriate shall appear boldly and in close proximity to the name of the salt.

4.2.4.2 *Storage Conditions*

(a) Storage conditions shall be declared on the label.

(b) The label shall include instructions on storage of iodated salt in such a manner as to protect it from direct exposure to moisture, heat and/or sunlight.

4.2.5 Packaging, Transportation and Storage

4.2.5.1 *Packaging*

(a) In order to avoid the loss of iodine, iodated salt shall be packed in air tight packaging material which meets requirement for food packaging materials TZS 538

(b) Packaging materials that have already been used for packing other articles including but not limited to fertilizers, cement, chemicals shall not be reused for packing iodated salt.

4.2.5.2 *Transportation and distribution*

(a) The distribution network shall be efficient so as to reduce the interval between iodation and consumption of salt.

(b) Iodated salt shall not be exposed to rain, excessive humidity or direct sunlight at any stage of transportation.

4.2.5.3 Storage

Packed iodated salt shall be stored in condition that allow adequate ventilation and avoid exposure to rain, excessive humidity or direct sunlight.

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