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**SANS 449:2017**

Edition 4.3

# **SOUTH AFRICAN NATIONAL STANDARD**

## **The manufacture of soft drinks and soft drink concentrates**

**WARNING**

**This document references other documents normatively.**

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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2009	Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to delete reference to national legislation and to the certification mark from the text.
Amdt 2	2011	Amended to update a referenced standard.
Amdt 3	2017	Amended to update the requirements for the determination of chemical compounds, and to delete the subclause on the determination of the cyclamate content.

**Foreword**

This South African standard was approved by National Committee SABS/TC 1037, *Non-alcoholic beverages*, in accordance with procedures of the SABS Standards Division.

This document was approved for publication in February 2017.

This document supersedes SANS 449:2011 (edition 4.2).

A vertical line in the margin shows where the text has been technically modified by amendment No. 3.

A reference is made in 3.7, 5.1, 5.4, 6.2 and 6.3 to "the relevant national legislation". In South Africa this means the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act No. 54 of 1972)

A reference is made in 3.9 and 6.2.2 to "the relevant national legislation". In South Africa this means the Agricultural Products Standards Act, 1990 (Act No. 119 of 1990).

A reference is made in 4.1 to "the relevant statutory requirements of the relevant national legislation". In South Africa this means the requirements of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and of the Health Act, 1977 (Act No. 63 of 1977), (particularly the requirements of R918 of 30 July, 1999: Regulations relating to the general hygiene conditions of food premises and the transport).

A reference is made in 4.2.1.17 to "the said relevant national legislation". In South Africa this means the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

A reference is made in 4.2.3.6 to "the relevant national legislation". In South Africa this means the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947).

A reference is made in 6.1.3.5 to "the relevant statutory requirements of the relevant national legislation". In South Africa this means the requirements of the Legal Metrology Act, 2014 (Act No. 9 of 2014).

**Amdt 1**

Annexes A and C form an integral part of this document. Annex B is for information only.

**Compliance with this document cannot confer immunity from legal obligations.**

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## **The manufacture of soft drinks and soft drink concentrates**

### **1 Scope**

This standard specifies the description, treatment, testing, bottling, packaging and labelling of soft drinks and soft drink concentrates and the requirements for production facilities and employees.

### **2 Normative references**

The following referenced documents are indispensable for the application 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. Information on currently valid national and international standards can be obtained from the SABS Standards Division.

#### **2.1 Standards**

SANS 241-1, *Drinking water – Part 1: Microbiological, physical, aesthetic and chemical determinands*.  
**Amdt 2**

SANS 388, *Commercial dextrose and liquid glucose*.

SANS 638/SADC HS 15, *Food grade salt*.

SANS 4833/ISO 4833, *Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of microorganisms – Colony-count technique at 30 °C*.

SANS 7251/ISO 7251, *Microbiology of food and animal feeding stuffs – Horizontal method for the detection and enumeration of presumptive Escherichia coli – Most probable number technique*.

SANS 7954/ISO 7954, *Microbiology – General guidance for enumeration of yeasts and moulds – Colony count technique at 25 °C*.

#### **2.2 Other publications**

AOAC Method 962.11, *Phosphorus in brine*.

AOAC Method 962.16, *Sulfurous acid (total) in food*.

*Food Chemicals Codex*, 4th Ed., National Academy Press, Washington DC, USA.

Methods Book of the International Commission for Uniform Methods of Sugar Analysis (ICUMSA), published by ICUMSA; c/o British Sugar Technical Centre; Norwich Research Centre; Norwich Research Park; COLNEY; NORWICH NR4 7UB; ENGLAND.

Official methods of analysis of the Association of Official Analytical Chemists (AOAC).

*Pearsons chemical analysis of foods*, 8th Ed., Churchill Livingstone (Pearsons).