

SINGAPORE STANDARD

# Specification for white refined sugar

Amendment No. 1 (issued separately)

Confirmed 1992

Erratum No. 1 (issued separately)



**SS 94 : 1972 (1992)**

(ICS 67.180.10)

---

SINGAPORE STANDARD

**Specification for white refined sugar**

---

All rights reserved. Unless otherwise specified, no part of this Singapore Standard may be reproduced or utilised in any form or by any means, electronic or mechanical, including photocopying and microfilming, without permission in writing from SPRING Singapore at the address below:

Standards  
SPRING Singapore  
1 Fusionopolis Walk,  
#01-02 South Tower, Solaris  
Singapore 138628  
Email : [standards@spring.gov.sg](mailto:standards@spring.gov.sg)

**S.S. 94 : 1972**

This Singapore Standard having been approved by the Food Industry Standards Committee was endorsed by the Standards Council on 16th October, 1972.

First published, December, 1972.

The Food Industry Standards Committee appointed by the Standards Council consists of the following members:

|                   | <b>Names</b>              | <b>Organisations</b>                                     |
|-------------------|---------------------------|--|
| <b>Chairman:</b>  | Mr. Alan C.Y. Yeo         | Standards Council  |
| <b>Secretary:</b> | Mrs. Lee-Yoong Ngeun Yoon | Singapore Institute of Standards and Industrial Research |
| <b>Members:</b>   | Mr. Chia Hong Hoe         | Ministry of Science and Technology                       |
|                   | Mr. Andrew Goh            | Ministry of Health                                       |
|                   | Dr. Giam Choo Hoe         | Primary Production Department                            |
|                   | Mr. Tan Hui Boon          | Singapore Institute of Standards and Industrial Research |
|                   | Dr. Walter Rintoul        | Singapore Testing Laboratory                             |
|                   | Mr. Yeow Chee Tiong       | Singapore Institute of Standards and Industrial Research |

The Technical Committee appointed by the Food Industry Standards Committee and responsible for the preparation of this standard, consists of representatives from the following organisations:

|                   | <b>Names</b>              | <b>Organisations</b>                                     |
|-------------------|---------------------------|--|
| <b>Chairman:</b>  | Mr. Tan Hui Boon          | Food Industry Standards Committee                        |
| <b>Secretary:</b> | Mrs. Lee-Yoong Ngeun Yoon | Singapore Institute of Standards and Industrial Research |
| <b>Members:</b>   | Mr. Andrew Goh            | Ministry of Health                                       |
|                   | Mr. Chia Hong Kuan        | Ministry of Science and Technology                       |
|                   | Mr. Eugene Yap            | Fraser & Neave (S) Pte. Ltd.                             |
|                   | Mr. Lee Seng Chong        | Sugar Industry of Singapore                              |
|                   | Mr. Peter Chua            | Central Supplies Office                                  |
|                   | Mr. Tony C.K. Mok         | Cold Storage (M) Sdn. Bhd.                               |
|                   | Mr. T.C. Cheung           | —  |

In order to keep abreast of progress in the industries concerned, Singapore Standards are subject to periodical review. The revisions of Singapore Standards are made by the issue either of amendment slips or of revised editions.

## CONTENTS

|                    | Page |
|--------------------|------|
| Foreword - - - - - | 4    |

## SPECIFICATION

|                           |   |
|---------------------------|---|
| 1. Scope - - - - -        | 5 |
| 2. Requirements - - - - - | 5 |
| 3. Sampling - - - - -     | 5 |
| 4. Tests - - - - -        | 6 |
| 5. Packaging - - - - -    | 6 |
| 6. Marking - - - - -      | 6 |

## APPENDICES

|  |    |
|--|----|
| A. Determination of Moisture - - - - -                             | 7  |
| B. Determination of Polarization - - - - -                         | 8  |
| C. Determination of Reducing Sugar (Ofner's Volumetric Method) - - | 10 |
| D. Determination of Ash - - - - -                                  | 12 |
| E. Determination of Colour - - - - -                               | 13 |
| F. Determination of Arsenic (Gutzeit Method) - - - - -             | 14 |
| G. Determination of Lead - - - - -                                 | 17 |
| H. Determination of Copper - - - - -                               | 19 |

S.S. 94 : 1972

SINGAPORE STANDARD

**SPECIFICATION FOR WHITE REFINED SUGAR**

FOREWORD

This specification was drawn up by the Technical Committee on Sugar and approved by the Food Industry Standards Committee.

In preparing the specification, references were made to the following:

1. I.S. 1151 : 1958 Specification for Refined Sugar.
2. I.S. 1969 : 1960 Specification for Sugar used in Food Preservation Industry.
3. International Commission for Uniform Methods of Sugar Analysis (ICUMSA), 1964.
4. Official Methods of Analysis of the Association of Official Analytical Chemists (A.O.A.C.), 11th edition, 1970.
5. Recommended International Standard for White Sugar, CAC/RS4 : 1969.
6. FAO/WHO Codex Alimentarius Methods of Analysis for Sugars, CAC/RM 1/8 : 1969.

Acknowledgement is made for the use of information from the above references. Acknowledgement is also made for the valuable contribution by Mr. T.C. Cheung who drew up the preliminary draft.

**1. SCOPE**

This standard prescribes the requirements and the methods of sampling and test for white refined sugar for direct consumption.