



# SINGAPORE STANDARD

# Code of practice for pre-cooked chilled food





**CP 66 : 1997** (ICS 67.020)

# SINGAPORE STANDARD Code of practice for pre-cooked chilled food

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

ISBN 9971-67-605-2

#### CP 66 : 1997

This Singapore Standard having been approved by the Food Standards Committee was endorsed by the Standards Council on 17 April 1997.

First published, 1998.

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

Name			Organisation					
Chairman	:	Mr Wong Mong Hong	Standards Council					
Deputy Chairman	•	Mr Chong Kok Yoong	Singapore Productivity and Standards Board					
Ghairman	•	-	<b>.</b>					
Secretary	:	Ms Ho Phuy Bee	Singapore Productivity and Standards Board					
Members	:	Dr Bosco Chen Bloodworth/ Dr Sam Cheuck Tatt	Institute of Science and Forensic Medicine					
		Mr Chia Hong Kuan	Ministry of the Environment					
		Dr Chua Sin Bin	Primary Production Department					
		Ms Normala Ghapar	Budget Division, Ministry of Finance					
		Mr Francis N K Goh	Association of Small and Medium Enterprises					
		Mr Hamzah Bani	Singapore Malay Chamber of Commerce					
		Dr Kwok Kain Sze	Singapore International Chamber of Commerce					
		Mr Gandhi Rasesh N	Singapore Indian Chamber of Commerce and Industry					
		Mr Soh Boon Thong	Singapore Food Manufacturers' Association					
		Mr Tan Jin Soon	Singapore Article Number Council					
		Mr Tan Khieng Sin	Singapore Chinese Chamber of Commerce and Industry					
		Dr Tan Kok Kheng	Singapore Confederation of Industries					
		Mr Teo Hee Peng	Ministry of Defence					
		Dr Mabel Yap Mei Poh	Ministry of Health					
		Mr Yeoh Guan Huah	Singapore Institute of Food Science and Technology					

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

		Name	Organisation				
Chairman	:	Dr Chua Sin Bin	Food Standards Committee				
Deputy Chairman Secretary	:	Dr Lor Kim Loon Ms Ho Phuy Bee	SATS Catering Pte Ltd Singapore Productivity and Standards Board				
Members	:	Ms Cheah Hui Ling Dr Chew Siang Thai Ms Lilian Chong Kam Far Dr Chow Yue Thong Mrs Leong-Ng An Tyng Ms Loo Meng Miang Ms Seah Huay Leng Mr Paul Tan Phang Kway Mr Yeow Kian Peng	Ministry of Defence Primary Production Department Singapore Retailers Association Institute of Science and Forensic Medicine Singapore Productivity and Standards Board Singapore International Chamber of Commerce Ministry of the Environment Singapore Confederation of Industries Institution of Engineers Singapore				

# CONTENTS

# Page

Forewo	rd -	-	-	-	-	-	-	-	-	-	4
				CODEC	)F PRAC	CTICE					
1.	Scope -	-	-	-	-	-	-	-	-	-	5
2.	Definition of pre-	-cooked (	chilled fo	bod	-	-	-	-	-	-	5
3.	Basic principles	of the pre	ocess	-	-	-	-	-	-	-	5
4.	Nutritional and fl	avour eff	ects of o	chilled fo	od	-	-	-	-	-	6
5.	Quality of raw m	aterials	-	-	-	-	-	-	-	-	6
6.	Preparation befo	ore cooki	ng	-	-	-	-	-	-	-	6
7.	The cooking pro	cess	-	-	-	-	-	-	-	-	7
8.	The portioning p	rocess	-	-	-	-	-	-	-	-	7
9.	The chilling proc	ess	-	-	-	-	-	_	-	-	7
10.	Storage -	-	-	-	-	-	-	-	-	-	8
11.	Time and tempe	erature lin	nitations	in storag	ge and d	istributio	n	-	-	-	9
12.	Packaging and I	abelling	-	-	-	-	-	-	-	-	9
13.	Distribution	-	-	-	-	-	-	-	-	-	10
14.	Reheating and s	serving	-	-	-	-	-	-	-	-	10
15.	Hygiene	-	-	-	-	-	-	-	-	-	11
16.	Quality assurance	ce	-	-	-	-	-	-	-	-	11
17.	Application of H	ACCP pr	inciples	-	-	-	-	-	-	-	12
18.	Microbiological g	guidelines	5	-	-	-	-	-	-	-	12

1

#### SINGAPORE STANDARD

## CODE OF PRACTICE FOR PRE-COOKED CHILLED FOOD

### FOREWORD

This Singapore Standard was prepared by the Technical Committee on Code of Practice for Precooked Chilled Food under the direction of the Food Standards Committee. The Technical Committee comprises representatives from regulatory agencies, professional and trade bodies, food manufacturing and catering industries, and research institutes as well as consumers in Singapore.

Over recent years the demand for quality, convenient refrigerated meals for retail and catering use has grown significantly. New products which are cooked with culinary skill and subsequently chilled and ready for serving have emerged in response to such demands. These perishable products may present serious health risks if they are not properly processed or protected against recontamination or temperature abuse.

The primary objective of the Code is to establish good processing and handling practices to ensure food safety and the production of high quality pre-cooked chilled food. This code sets out the standards to be used in developing, processing and distributing pre-cooked chilled food for mass catering and retail sale.

In establishing this code, reference is made to the following publications:

- 1. Codex Alimentarius on Proposed Draft Code of Hygienic Practice for Refrigerated Packaged Foods with Extended Shelf Life, ALINORM 95/13 Appendix IV;
- 2. Codex Alimentarius on Guidelines for the Application of the Hazard Analysis Critical Control Point (HACCP) System, Volume 1B 1995, Section 1.1;
- 3. Code of Hygienic Practice for Heat-treated Refrigerated Foods Packaged for Extended Shelf Life Australian Quarantine and Inspection Service (AQIS);
- 4. Guidelines on Pre-Cooked Chilled Foods, Department of Health and Social Security, London, First published 1980;
- 5. Singapore Standard CP3:1988 Code of Practice for Food Hygiene (General).

Acknowledgement is made for the use of information from these publications.

## NOTE.

- 1. Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.
- 2. Compliance with a Singapore Standard does not exempt users from legal obligations.