

APPENDICES

Appendix A: Microbiological standard of Thailand

The official microbiological standard of cooked - frozen or cooked-chilled foods that have to be reheated before consumption

Microorganism	Types of food	
	Chilled food	Frozen food
Total aerobic bacteria/g	$<10^6$	$<10^5$
MPN coliforms/g	<100	<100
<i>Staphylococcus aureus</i> (cfu/g)	<100	<50
MPN <i>Escherichia coli</i> /g	<3	<3
<i>Bacillus cereus</i> (cfu/g)	<100	<50
<i>Clostridium perfringens</i> /0.01g	Not found	Not found
<i>Vibrio parahaemolyticus</i> /25g	Not found	Not found
<i>Salmonellae</i> /25g	Not found	Not found

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Appendix B: MPN table

MPN table for 3 x 1 g (ml), 3 x 0.1 g (ml) and 3 x 0.01 g (ml)

Number of positive results			MPN index	Confidence limits			
				≥ 95 %		≥ 99 %	
0	0	0	< 0.30	0.00	0.94	0.00	1.40
0	0	1	0.30	0.01	0.95	0.00	1.40
0	1	0	0.30	0.01	1.00	0.00	1.60
0	1	1	0.61	0.12	1.70	0.05	2.50
0	2	0	0.62	0.12	1.70	0.05	2.50
0	3	0	0.94	0.35	3.50	0.18	4.60
1	0	0	0.36	0.02	1.70	0.01	2.50
1	0	1	0.72	0.12	1.70	0.05	2.50
1	0	2	1.1	0.4	3.5	0.2	4.6
1	1	0	0.74	0.13	2.00	0.06	2.70
1	1	1	1.1	0.4	3.5	0.2	4.6
1	2	0	1.1	0.4	3.5	0.2	4.6
1	2	1	1.5	0.5	3.8	0.2	5.2
1	3	0	1.6	0.5	3.8	0.2	5.2
2	0	0	0.92	0.15	3.50	0.07	4.60
2	0	1	1.4	0.4	3.5	0.2	4.6
2	0	2	2.0	0.5	3.8	0.2	5.2
2	1	0	1.5	0.4	3.8	0.2	5.2
2	1	1	2.0	0.5	3.8	0.2	5.2
2	1	2	2.7	0.9	9.4	0.5	14.2
2	2	0	2.1	0.5	4.0	0.2	5.6
2	2	1	2.8	0.9	9.4	0.5	14.2
2	2	2	3.5	0.9	9.4	0.5	14.2
2	3	0	2.9	0.9	9.4	0.5	14.2
2	3	1	3.6	0.9	9.4	0.5	14.2
3	0	0	2.3	0.5	9.4	0.3	14.2
3	0	1	3.8	0.9	10.4	0.5	15.7
3	0	2	6.4	1.6	18.1	1.0	25.0
3	1	0	4.3	0.9	18.1	0.5	25.0
3	1	1	7.5	1.7	19.9	1.1	27.0
3	1	2	12	3	36	2	44
3	1	3	16	3	38	2	52
3	2	0	9.3	1.8	36.0	1.2	43.0
3	2	1	15	3	38	2	52
3	2	2	21	3	40	2	56
3	2	3	29	9	99	5	152
3	3	0	24	4	99	3	152
3	3	1	46	9	198	5	283
3	3	2	110	20	400	10	570
3	3	3	>110				

DECLARATION

I, the under signed, declare that the thesis is my original work and has not been presented for a degree in any University.

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