



## CONSUMER ADVISORY - UPDATE ON PRODUCTS DETECTED TO CONTAIN MELAMINE

### Surveillance on imported and locally manufactured biscuits

AVA has intensified and completed its checks on more than 640 types of the major brands of imported and locally manufactured biscuits available in Singapore.

#### Update on products from China

2 AVA has detected melamine contamination in these three additional China-made products:

- i) Lotte Koala's March Cocoa Chocolate Biscuit
- ii) Hello Kitty Strawberry Cream Filled Biscuit
- iii) Unbranded non-dairy creamer in industrial pack

3 The two China-made biscuits [(i) and (ii)] contained milk ingredients and had been recalled since 19 September 2008. The non-dairy creamer [(iii)] is meant for re-export and is not available in the retail market. The tainted products will be destroyed under AVA's supervision.

*(Details of the affected China products are attached at Annex A.)*

#### Imported biscuits that are tainted

4 Other than the affected products from China, melamine has been detected in 17 biscuit products from Malaysia. Test results for the rest of the imported biscuits, including those from Malaysia, were satisfactory. The affected Malaysian-made biscuits are:

- i) Julie's Golden Kaka Crackers
- ii) Julie's Wheat Crackers
- iii) Julie's Cottage Crackers (Vegetable Yeast Cracker)
- iv) Julie's Cottage Crackers (Original Yeast Cracker)
- v) Julie's Chez Creamy Cheese Sandwich
- vi) Julie's Sugar Crackers (extra flaky)
- vii) Julie's Waferico Chocolate Coated Wafers with Chocolate Cream Filling
- viii) Julie's Cream Crackers
- ix) Julie's Minico Rich Chocolate Chip Cookies

- x) Julie's Peanut Butter Sandwich
- xi) Julie's Cocoro Crispy Chocolate Wafer Rolls with Vanilla Filling
- xii) Julie's Le-Mond Puff Sandwich with Lemon Flavoured Cream
- xiii) Khong Guan Assorted Biscuits
- xiv) Khian Guan Biscuit Osborne
- xv) Leo Gold Finger Choco
- xvi) Santa Chocolate Gold Fingers
- xvii) Swan Chocolate Fingers

*(Details of the affected Malaysian-made biscuits are attached at Annex B.)*

5 Importers and retailers are required to withdraw the affected Malaysian-made biscuits from sale with immediate effect. As 12 of the 17 products are "Julie's" brand of biscuits, as a precautionary measure, all "Julie's" brand biscuits are also required to be withdrawn from sale.

6 AVA advises consumers who have bought the implicated products not to consume them.

7 All the 17 affected products will be destroyed under AVA's supervision.

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#### Locally manufactured biscuits are safe for consumption

8 AVA's tests also included various types of biscuits under the major brands of "Khong Guan" and "Meiji" as well as other traditional biscuits that are manufactured in Singapore. Melamine has not been detected in these products.

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#### Surveillance on raising agents used in Singapore

9 Ammonium bicarbonate, an approved food additive, had been implicated in melamine contamination in Malaysian-made biscuits. Hence, in addition to intensified checks on biscuits, AVA has also tested for melamine contamination in the raising agents (ammonium bicarbonate and sodium bicarbonate) used by biscuit manufacturers in Singapore. Checks have found that the raising agents used in Singapore for manufacturing of biscuits are of food grade standard and are not contaminated with melamine.

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#### On-going surveillance of milk and milk products and products containing milk as an ingredient

10 As of 24 Oct 08, 3,200 types of milk and milk products, chocolates, biscuits, non-dairy creamers and other products imported from more than 40 countries have been taken for laboratory analysis to check for melamine. Testing for melamine contamination is on-going. The latest detection brings the total number of affected products to 33.

11 AVA would like to assure the public that the levels of melamine detected so far in the affected products are low and hence unlikely to result in any adverse health effect. Consumers have to consume large quantities of the contaminated products over a prolonged period of time to be at risk of potential ill effects on health.

12 Based on the melamine levels detected by AVA, a consumer can safely take in:

<b>Products</b>	<b>Tolerable levels for an adult of 60 kg weight (amount daily over a lifetime)</b>	<b>Tolerable levels for a child of 30 kg weight (amount daily over a lifetime)</b>
Lotte Koala's March Cocoa Chocolate Biscuit (21g/pack)	104 packs, or	52 packs, or
Hello Kitty Strawberry Cream Filled Biscuit (20g/pack)	342 packs, or	171 packs, or
Unbranded non-dairy creamer in industrial pack	Not applicable. This product is intended for re-export and is not available in the retail market. It has been sealed in the manufacturer's warehouse and has not been used in any food production.	
Julie's Golden Kaka Crackers (500g/pack; 64 pieces)	378 pieces (about 6 packs), or	189 pieces (about 3 packs), or
Julie's Cocoro Crispy Chocolate Wafer Rolls with Vanilla Cream Filling (120g/box, 20 sticks)	782 sticks (about 39 boxes), or	391 sticks (about 19.5 boxes), or
Julie's Le-Mond Puff Sandwich with Lemon Flavoured Cream (225g/box, 24 pieces)	384 pieces (about 16 boxes), or	192 pieces (about 8 boxes), or
Julie's Wheat Crackers; (350g/pack, 42 pieces)	192 pieces (about 4 packs), or	96 pieces (about 2 packs), or
Julie's Cottage Crackers (Vegetable Yeast Cracker); (232g/box, 24 pieces)	360 pieces (about 15 boxes), or	180 pieces (about 7.5 boxes), or
Julie's Cottage Crackers (Original Yeast Cracker) (232g/box, 24 pieces)	368 pieces (about 15 boxes), or	184 pieces (about 7.5 boxes), or
Julie's Chez Creamy Cheese Sandwich; (200g/box, 30 pieces)	32 pieces (about 1 box), or	16 pieces (about 0.5 box), or
Julie's Sugar Crackers (extra flaky) (450g/pack, 52 pieces)	232 pieces (about 4 packs), or	116 pieces (about 2 packs), or

<b>Products</b>	<b>Tolerable levels for an adult of 60 kg weight (amount daily over a lifetime)</b>	<b>Tolerable levels for a child of 30 kg weight (amount daily over a lifetime)</b>
Julie's Waferico Chocolate Coated Wafers with Chocolate Cream Filling (150g/box, 10 pieces)	156 pieces (about 15 boxes), or	78 pieces (about 7.5 boxes), or
Julie's Cream Crackers; (450g/pack, 68 pieces)	168 pieces (about 2.5 packs), or	84 pieces (about 1.25 packs), or
Julie's Minico Rich Chocolate Chip Cookies; (150g/box, 35 pieces)	440 pieces (about 12 boxes), or	220 pieces (about 6 boxes), or
Julie's Peanut Butter Sandwich (180g/pack, 24 pieces)	400 pieces (about 16 packs), or	200 pieces (about 8 packs), or
Khong Guan Assorted Biscuits (1 kg/tin)	5 tins, or	2.5 tins, or
Khian Guan Biscuit Osborne (3.5 kg/tin, 951 pieces)	950 pieces (about 1 tin), or	475 pieces (about 0.5 tin), or
Leo Gold Finger Choco (130 g/pack, about 28 sticks)	1312 sticks (about 46 packs), or	656 sticks (about 23 packs), or
Santa Chocolate Gold Fingers (130 g/pack, about 28 sticks)	160 sticks (about 5 packs), or	80 sticks (about 2.5 packs), or
Swan Chocolate Fingers (130 g/pack, about 28 sticks)	662 sticks (about 22 packs), or	331 sticks (about 11 packs), or




13 For enquiries on affected products, consumers can call AVA's hotline at 63257625 during office hours (8.30 am – 6.00 pm, Monday – Friday). For health concerns associated with the ingestion of melamine, consumers can call MOH's hotline at 1800-2254122. Consumers can also visit AVA's website at [www.ava.gov.sg](http://www.ava.gov.sg) for more information.




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**Annex A - Details of affected products imported from China**

S/N.	Product Description	Levels of Melamine Detected	Product Image
1	Lotte Koala's March Cocoa Chocolate Biscuit  (Made in China)	17.3 ppm	
2	Hello Kitty Strawberry Cream Filled Biscuit  (Made in China)	5.5 ppm	
3	Unbranded non-dairy creamer in industrial pack  (Made in China)	415.4 ppm - 6,694 ppm	This product is intended for re-export and is not available in the retail market. It has been sealed in the manufacturer's warehouse since 19 September 2008 and has not been used in any food production.

S/N.	Product Description	Levels of Melamine Detected	Product Image
4	Cadbury Choclairs - Blueberry Flavour  (Made in China)	21.4 ppm - 33.9 ppm	
5	Cadbury Choclairs - Coffee Flavour  (Made in China)	92.3 ppm	
6	Panda Dairy Whole Milk Powder  (Made in China)	163.8 ppm	<p>This product is meant for manufacturing use and is not available in the retail market. (The product has been sealed in the manufacturer's warehouse since the suspension on 19 September 2008 and has not been used in any food production.)</p>
7	Silang - House of Steamed Potato - Potato & Tomato Cracker  (Made in China)	8.1 ppm	

S/N.	Product Description	Levels of Melamine Detected	Product Image
8	New Sshmallows Mallow Dippers - Strawberry Flavour  (Made in China)	24.8 ppm	
9	Dutch Lady Banana Flavoured Milk  (Made in China)	36.7 ppm - 48.7 ppm	
10	Dutch Lady Honeydew Flavoured Milk  (Made in China)	9.43 ppm - 58.7 ppm	




S/N.	Product Description	Levels of Melamine Detected	Product Image
11	Silang - House of Steamed Potato - Potato Cracker  (Made in China)	11.96 ppm	
12	徐福记 Puffed Rice Rolls - Butter Corn Flavour  (Made in China)	10.7 ppm	
13	徐福记 Puffed Rice Rolls - Cheese Flavour  (Made in China)	8.5 ppm	

S/N.	Product Description	Levels of Melamine Detected	Product Image
14	Yi Li Choice Dairy Fruit Bar Yogurt Flavoured Ice Confection  (Made in China)	39 ppm - 60.8 ppm	
15	Dutch Lady Strawberry Flavoured Milk  (Made in China)	33.9 ppm - 46.4 ppm	
16	White Rabbit Creamy Candy  (Made in China)	67 ppm - 160 ppm	

**Annex B - Details of affected Malaysian-made biscuits**



S/N.	Product Description	Levels of Melamine Detected	Product Image
1	<p>Julie's Golden Kaka Crackers</p> <p>(Made in Malaysia)</p>	<p>11.8 ppm - 12.8 ppm</p>	
2	<p>Julie's Cocoro Crispy Chocolate Wafer Rolls with Vanilla Cream Filling</p> <p>(Made in Malaysia)</p>	<p>8.04 ppm</p>	

S/N.	Product Description	Levels of Melamine Detected	Product Image
3	Julie's Le-Mond Puff Sandwich with Lemon Flavoured Cream  (Made in Malaysia)	Not Detected - 10.5 ppm	
4	Julie's Wheat Crackers  (Made in Malaysia)	4.9 ppm - 23.4 ppm	
5	Julie's Cottage Crackers (Vegetable Yeast Cracker)  (Made in Malaysia)	0.6 ppm - 10.8 ppm	

S/N.	Product Description	Levels of Melamine Detected	Product Image
6	Julie's Cottage Crackers (Original Yeast Cracker)  (Made in Malaysia)	10.6 ppm	 <p>The image shows the packaging for Julie's Cottage Crackers. The top part is white with the Julie's logo and the tagline "...bakes better biscuits". Below that, the word "COTTAGE" is written in large blue letters, followed by "CRACKERS" in red. Underneath, it says "The ORIGINAL Yeast Crackers". There is a small illustration of a farm scene with a windmill, a cow, and a sheep. A large red number "8" is visible in the bottom left corner. On the right side, there is a vertical strip of yellow crackers. Text in Chinese characters "酵母蘇打餅" and "原發酵味" is on the right. At the bottom, it says "Fresh Packs · 便利保鮮裝" and "Net Wt./淨重: 232g/公克(8.18oz/安士)".</p>
7	Julie's Chez Creamy Cheese Sandwich  (Made in Malaysia)	172.4 ppm	 <p>The image shows the packaging for Julie's Chez Creamy Cheese Sandwich. The top part is purple with the Julie's logo and the tagline "...bakes better biscuits". Below that, the word "CHEZ" is written in large yellow letters with a red outline. Underneath, it says "CREAMY CHEESE SANDWICH". There is an illustration of a sandwich with a slice of cheese. A blue speech bubble says "5 Convi-packs 便利包裝". On the left side, there is vertical Chinese text "乳酪夾心餅". At the bottom, it says "Net Wt./淨重: 200g/公克(7.05oz/安士)".</p>
8	Julie's Sugar Crackers (extra flaky)  (Made in Malaysia)	18.8 ppm	 <p>The image shows the packaging for Julie's Sugar Crackers. The top part is red with the Julie's logo and the tagline "...bakes better biscuits". Below that, the word "Sugar" is written in large white letters, followed by "Crackers" in white. Underneath, it says "Biskut Gula". There is an illustration of two square crackers. A blue speech bubble says "EXTRA FLAKY". On the right side, there is vertical Chinese text "甜香脆餅". At the bottom, it says "Net Wt./淨重: 100g/公克(3.53oz/安士)".</p>

S/N.	Product Description	Levels of Melamine Detected	Product Image
9	Julie's Waferico Chocolate Coated Wafers with Chocolate Cream Filling  (Made in Malaysia)	Not Detected - 16.0 ppm	
10	Julie's Cream Crackers  (Made in Malaysia)	33.8 ppm	
11	Julie's Minico Rich Chocolate Chip Cookies  (Made in Malaysia)	20.0 ppm	

S/N.	Product Description	Levels of Melamine Detected	Product Image
12	Julie's Peanut Butter Sandwich  (Made in Malaysia)	0.7 ppm - 12.6 ppm	
13	Khong Guan Assorted Biscuits  (Made in Malaysia)	5.4 ppm - 6.6 ppm	
14	Khian Guan Biscuit Osborne  (Made in Malaysia)	5.3 ppm - 10.8 ppm	

S/N.	Product Description	Levels of Melamine Detected	Product Image
15	Leo Gold Finger Choco  (Made in Malaysia)	0.6 ppm - 6.2 ppm	
16	Santa Chocolate Gold Fingers  (Made in Malaysia)	0.7 ppm - 50.8 ppm	

S/N.	Product Description	Levels of Melamine Detected	Product Image
17	Swan Chocolate Fingers  (Made in Malaysia)	4.2 ppm - 12.3 ppm	