

YI JIA INTERNATIONAL GROUP LTD
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Job No. : HKHC200500001684

The following sample was submitted and identified by the client as MIRIKEL NMN 9000

Product Description : MIRIKEL NMN 9000
Quantity Received : 11 boxes x 1 bottle/box x 60's/bottle
Sample Appearance : Capsule with white cap / white body with white powder
SGS Sample No. : HKHC200500001684-101
Sample Receiving Condition : In unopened plastic bottle original package under ambient condition
Manufacturer : BF Suma Pharmaceuticals Inc
Supplier : Grace Mount Limited
Country of Origin : USA
Country of Destination : Hong Kong
Sample Receiving Date : May 11, 2020 for 1st submission and May 13, 2020 for 2nd submission
Testing Period : May 11 – 25, 2020

Test Requested, Test Method and Test Results

Please refer to the following page(s).

Signed for and on behalf of
SGS Hong Kong Ltd.

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SGS Hong Kong Ltd.

HO CHI MING, RICKY
SENIOR MANAGER - COSMETICS, PERSONAL CARE & HOUSEHOLD SERVICES

WONG KIN MAN, GILMAN
TECHNICAL DEVELOPMENT MANAGER - COSMETICS, PERSONAL CARE & HOUSEHOLD SERVICES

Test Requested

- To perform Arsenic, Lead, Mercury, Cadmium, Chromium, Antimony and Tin analyses on the submitted sample.
- To perform Total Aerobic Count, Escherichia coli and Enterobacteriaceae analyses on the submitted sample.

Test Method

- Heavy Metal and Toxic Elements**
The analyses were performed by in house method TCM HM2-001 employing microwave digestion followed with Inductively Coupled Argon Plasma Mass Spectrometry measurement.
- Microbial Examination**
The analyses were performed with reference to AOAC Official Method, 18th edition, 2005 method no. 990.12, 991.14, and 2003.01 (3M Petrifilm Plate).

Test Results

Parameter	MIRIKEL NMN 9000 SGS Sample No.: HKHC200500001684-101
(1) <i>Heavy Metal and Toxic Elements</i>	
Arsenic (As)	< 0.069 mg/kg (ppm)
Arsenic Trioxide (As ₂ O ₃)	< 0.092 mg/kg (ppm)
Cadmium (Cd)	< 0.050 mg/kg (ppm)
Chromium (Cr)	< 0.50 mg/kg (ppm)
Lead (Pb)	< 0.020 mg/kg (ppm)
Antimony (Sb)	< 0.050 mg/kg (ppm)
Tin (Sn)	< 0.099 mg/kg (ppm)
Mercury (Hg)	< 0.0099 mg/kg (ppm)
(2) <i>Microbial Examination</i>	
Total Aerobic Count	25 colony / g
Escherichia coli	< 10 colony / g
Enterobacteriaceae	< 10 colony / g

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Note:

- Results reported on the submitted sample on an as received basis. For capsule samples, heavy metals, toxic elements analyses results are reported on contents inside the submitted sample on an as received basis.
- < = less than
- Hong Kong Food Adulteration (Metallic Contamination) Regulations - Maximum Permitted Concentration of Certain Metals present in Specified Foods (Only the tested heavy metal elements are listed)
 - Arsenic (As₂O₃)
Solids being - 6 ppm
i) fish and fish products 10 ppm
Solids other than -
i) fish and fish products; and 1.4 ppm
ii) shellfish and shellfish products
All food in liquid form 0.14 ppm
 - Lead (Pb)
All food in solid form 6 ppm
All food in liquid form 1 ppm
 - Mercury (Hg)
All food in solid form 0.5 ppm
All food in liquid form 0.5 ppm
 - Cadmium (Cd)
Cereals and vegetables 0.1 ppm
Fish, crab-meat, oysters, prawns and shrimps 2 ppm
Meat of animal and poultry 0.2 ppm
 - Chromium (Cr)
Cereals and vegetables 1 ppm
Fish, crab-meat, oysters, prawns and shrimps 1 ppm
Meat of animal and poultry 1 ppm
 - Tin (Sn)
All food in solid form 230 ppm
All food in liquid form 230 ppm
 - Antimony (Sb)
Cereals and vegetables 1 ppm
Fish, crab-meat, oysters, prawns and shrimps 1 ppm
Meat of animal and poultry 1 ppm

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Note:

- (i) Table 1.2 Guidance on the interpretation of results for ACC levels [30°C/48 hours] in various ready-to-eat foods

Food Category ^a	Result (colony-forming unit (cfu)/g)		
	Satisfactory	Borderline	Unsatisfactory
1. Ambient stable canned, bottled, cartoned and pouched foods immediately after removal from container ^b	<10	N/A	Note ^c
2. Foods cooked immediately prior to sale or consumption	<10 ³	10 ³ - <10 ⁵	≥10 ⁵
3. Cooked foods chilled but with minimum handling prior to sale or consumption; canned pasteurised foods requiring refrigeration	<10 ⁴	10 ⁴ - <10 ⁷	≥10 ⁷
4. Bakery and confectionery products without dairy cream, powdered foods	<10 ⁴	10 ⁴ - <10 ⁶	≥10 ⁶
5. Cooked foods chilled but with some handling prior to sale or consumption	<10 ⁵	10 ⁵ - <10 ⁷	≥10 ⁷
6. Non-fermented dairy products and dairy desserts, mayonnaise and mayonnaise based dressings, cooked sauces	<10 ⁵	10 ⁵ - <10 ⁷	≥10 ⁷
7. Food mixed with dressings, dips, pastes	<10 ⁶	10 ⁶ - <10 ⁷	≥10 ⁷
8. Extended shelf life food products requiring refrigeration	<10 ⁶	10 ⁶ - <10 ⁸	≥10 ⁸ ^d
9. Raw ready-to-eat meat and fish, cold smoked fish	<10 ⁶	10 ⁶ - <10 ⁷	≥10 ⁷
10. Preserved food products – pickled, marinated or salted	N/A	N/A	N/A
11. Dried foods	N/A	N/A	N/A
12. Fresh fruit and vegetables, products containing raw vegetables	N/A	N/A	N/A
13. Fermented, cured and dried meats, fermented vegetables, ripened cheeses	N/A	N/A	N/A
14. Cooked meat products that may be displayed for sale at ambient temperature for a limited period of time e.g. siu-mei and lo-mei	<10 ⁵	10 ⁵ - <10 ⁶	≥10 ⁶

N/A denotes "Not applicable"

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Note:

- (ii) Microbiological examination - Microbiological Guidelines for Food - Chapter I. Microbiological Criteria for Ready-to-eat Food in General - Aerobic Colony Count (ACC) and Hygiene Indicator Organisms, issued by Hong Kong Food and Environmental Hygiene Department – Aug 2014. (Only specification of tested parameter is listed.)

Parameter	Upper Limit
Enterobacteriaceae	
Satisfactory	<10 ² / g
Borderline	10 ² - ≤10 ⁴ / g
Unsatisfactory	>10 ⁴ / g

(iii) Microbiological examination - Microbiological Guidelines for Food - Chapter I. Microbiological Criteria for Ready-to-eat Food in General - Aerobic Colony Count (ACC) and Hygiene Indicator Organisms, issued by Hong Kong Food and Environmental Hygiene Department – Aug 2014. (Only specification of tested parameter is listed.)

Parameter	Upper Limit
Escherichia coli	
Satisfactory	<20 / g
Borderline	20 - ≤10 ² / g
Unsatisfactory	>10 ² / g

- For food items that are not included in these food categories, their ACC level should be interpreted taking into account the raw ingredients used, and the nature and degree of processing before sale.
- Most products are normally sterile when sampled from the container but if they are consumed after subsequent further preparation then assess them as Category 5.
- These products are 'Unsatisfactory' if spore forming anaerobes are present but these require special tests for detection and enumeration. Spore forming aerobes are also usually absent in foods that have been cooked in their container but low levels may occur in canned fish products.
- Check for signs of spoilage. Lactic acid bacteria can grow well at refrigeration temperatures and do not grow well aerobically. Spoilage will eventually occur at a level of around 10⁹ cfu/g due to the production of lactic acid. If the predominant organisms are Gram-negative bacteria, spoilage is likely to be noticeable at 10⁷ to 10⁸ cfu/g, e.g. taints, discoloration, and slime produced by pseudomonads, slime produced by other Gram-negative bacteria.

*** End of Report ***

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