



## Test Report

No. HKHC2007005725HC

Date :Jul 30, 2020

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IBREA GLOBAL CO., LTD.  
2F, 220, INHYANG-RO, GOCHON-EUP, GIMPO-SI, GYEONGGI-DO, KOREA

Job No. : HKHC200700002527

The following sample was submitted and identified by the client as IBREA SKIN RELIEF INTENSE RECOVERY CREAM PEPPERMINT OIL 30ml

Product Description : IBREA SKIN RELIEF INTENSE RECOVERY CREAM PEPPERMINT OIL 30ml  
Quantity Received : 8 bottles  
Sample Appearance : White cream  
Lot No. / Batch No. : MWC0227-10  
SGS Sample No. : HKHC200700002527-102  
Expiry Date : 20230709  
Sample Receiving Condition : In unopened plastic bottle under ambient condition  
Manufacturer / Supplier : IBREA GLOBAL CO., LTD.  
Country of Origin : KOREA  
Sample Receiving Date : Jul 16, 2020  
Testing Period : Jul 16, 2020 – Jul 30, 2020

### Test Requested, Test Methods and Test Results

Please refer to the following page(s).

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Signed for and on behalf of  
SGS Hong Kong Ltd.

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

Signed for and on behalf of  
SGS Hong Kong Ltd.

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

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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.



**Test Requested**

1. To perform Arsenic, Lead, Mercury, Cadmium, Antimony and Nickel (soluble) analyses on the submitted sample.
2. To perform Microbiological Examination on the submitted sample.
3. To determine the Free Formaldehyde content on the submitted sample.
4. To determine the content of 1,4-Dioxane on the submitted sample.
5. To determine the Methanol content on the submitted sample.
6. To determine the Appearance and Odor of the submitted sample.

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**Test Method**

1. Heavy Metal and Toxic Elements
  - (a) The Arsenic, Lead, Mercury, Cadmium and Antimony analyses were performed by in house method CS HM2-001 employing microwave digestion followed with Inductively Coupled Argon Plasma Mass Spectrometry measurement.
  - (b) The Nickel (soluble) analysis was performed by extraction of soluble sample following with Inductively Coupled Argon Plasma Spectrometry measurement.
  
2. Microbial contamination
  - (a) The analyses were performed with reference to
    - European Pharmacopoeia 9.0, Chapter 2.6.12 – Microbiological Examination of Nonsterile Products: Microbial Enumeration Tests, and
    - European Pharmacopoeia 9.0, Chapter 2.6.13 – Microbiological Examination of Nonsterile Products: Tests For Specified Micro-organisms.
  - (b) Burkholderia cepacia analysis was performed by in house method.
  - (c) Thermotolerant Coliform Bacteria analysis was performed with reference to China Safety and Technical Standards for Cosmetics 2015.
  
3. Free Formaldehyde  
The analysis was performed with reference to the European Directive 90/207/EC employing High Performance Liquid Chromatography - Photodiode Array Detector technique.
  
4. 1,4-Dioxane  
The analysis was performed by in house method employing Headspace Gas Chromatography Mass Spectrometer.
  
5. Methanol  
The analysis was performed by in house method employing Headspace Gas Chromatography Mass Spectrometry Measurement.
  
6. Appearance and Odor  
The analyses were performed by Organoleptic Inspection.

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**Test Results**

IBREA SKIN RELIEF INTENSE  
RECOVERY CREAM  
PEPPERMINT OIL 30ml

SGS Sample No.:  
HKHC200700002527-102

Limit #

**(1) Heavy Metals and Toxic Elements**

Parameter	Result	Limit #
Arsenic (As)	< 0.11 mg/kg (ppm)	≤ 5 mg/kg (ppm)
Cadmium (Cd)	< 0.082 mg/kg (ppm)	≤ 5 mg/kg (ppm)
Lead (Pb)	< 0.033 mg/kg (ppm)	≤ 20 mg/kg (ppm)
Antimony (Sb)	< 0.082 mg/kg (ppm)	≤ 10 mg/kg (ppm)
Mercury (Hg)	< 0.016 mg/kg (ppm)	≤ 1 mg/kg (ppm)
Nickel (Ni) (soluble)	< 3 mg/kg (ppm)	≤ 10 mg/kg (ppm)

**(2a) Microbiological Examination**

Parameter	Result	Limit #
Total Aerobic Mesophilic Microorganisms		≤ 1000 cfu/g for non-eye/lip area products
- Total Aerobic Microbial Count	< 10 cfu/ g	
- Total Combined Yeast & Moulds Count	< 10 cfu/ g	
<i>Escherichia coli</i>	Absent / g	Absent / g
<i>Staphylococcus aureus</i>	Absent / g	Absent / g
<i>Pseudomonas aeruginosa</i>	Absent / g	Absent / g
Salmonella	Absent / 10 g	Absent / 10 g
Bile -Tolerant Gram-Negative Bacteria	Absent / g	Absent / g
Clostridia	Absent / g	Absent / g
<i>Candida albicans</i>	Absent / g	Absent / g

**(2b) Microbiological Examination**

Parameter	Result	Limit #
<i>Burkholderia cepacia</i>	Absent / g	Absent / 0.1g for aqueous preparation only

**(2c) Microbiological Examination**

Parameter	Result	Limit #
Thermotolerant Coliform Bacteria	Absent / g	Absent/ g

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### Test Results (Cont'd)

IBREA SKIN RELIEF INTENSE  
RECOVERY CREAM  
PEPPERMINT OIL 30ml  
SGS Sample No.:  
HKHC200700002527-102

Parameter		Limit #
(3) Free Formaldehyde	Not Detected	See remark
(4) 1,4-Dioxane	Not Detected	≤ 10 mg/kg (ppm) (note 8)
(5) Methanol	Not Detected	2000 mg/kg
(6) Appearance	White cream	-
(6) Odor	Characteristic smell	-

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## Note :

1. Results reported on the submitted sample on an as received basis.
2. < = less than
3. ≤ = not more than
4. The lowest detectable level of Free Formaldehyde is 0.02 %.
5. The lowest detectable level of 1,4-Dioxane is 1.0 mg/kg.
6. The lowest detectable level of Methanol is 0.0025% (25 mg/kg).

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Note (Cont'd) :

7. # = Guideline Limits:

(i) Heavy Metals and Toxic Elements

- Arsenic, Lead, Mercury, Cadmium and Antimony - German Health Authority BgA (Recommendation of 1965 from German Health Journal No.28, July 1985)
- Nickel (Ni) (soluble) – The German Health Journal No. 7/1992, Session 45 from November 14, 1991

(ii) Microbiological Examination

Total Viable Count for aerobic mesophyllic micro-organism, *Escherichia coli*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Candida albicans*

- The SCCS Notes of Guidance for the Testing of Cosmetic Ingredients and Their Safety Evaluation (9<sup>th</sup> Revision, revised on 25 April 2016) by The Scientific Committee on Consumer Safety, SCCS.

*Salmonella*, *Bile -Tolerant Gram-Negative Bacteria*, *Clostridia*

- Client's specifications with reference to European Pharmacopoeia 8.0 edition

Thermotolerant Coliform Bacteria

- Part 1 General (3.3) in China Safety and Technical Standards for Cosmetics, 2015 edition

*Burkholderia cepacia*

- Biro Pengawasan Farmaseutikal Kebangsaan requirement - Ruj. Kami: b2dlm. BPFK/PPP/01/03JId 1

(iii) Free Formaldehyde – ANNEX V, 1223/2009/EC

- All finished products containing substances in Annex V and which release formaldehyde must be labeled with the warning 'contains formaldehyde' where the concentration of formaldehyde in the finished product exceeds 0.05%

(iv) Methanol - Chapter 1 (Table 2), China Safety and Technical Standards for Cosmetics, 2015 edition, China Food and Drug Administration

8. 1,4-Dioxane must not form part of the composition of the cosmetic products with reference to Annex II of Cosmetics Regulation (EC) No. 1223/2009. Article 17 from 1223/2009/EC provides that *"the non-intended presence of a small quantity of a prohibited substance, stemming from impurities of natural or synthetic ingredients, the manufacturing process, storage, migration from packaging, which is technically unavoidable in good manufacturing practice, shall be permitted provided that such presence"* and that it conforms with Article 3 *"A cosmetic product made available on the market shall be safe for human health when used under normal or reasonably foreseeable conditions of use."* With reference to SCCS opinion SCCS/1570/15, a trace level of 1,4-dioxane in cosmetic products of ≤10ppm is safe.

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Sample Receiving Date : Jul 16, 2020

PHOTO APPENDIX



\*\*\* End of Report \*\*\*

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