

### CERTIFICATE OF ANALYSIS (COA)

Measurement of Heavy Metals by GFAAS (Test Method: In-house Method USM/NPC/TM17B) &  
Measurement of Mercury by FIMS (Test Method: In-house Method USM/NPC/TM18B)

Date of issue: 23 July 2021

Ref no.: PRN2021/171

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#### Client and Address:

GMI MARKETING (MALAYSIA) SDN BHD  
61-1, JALAN MH 1,  
TAMAN MUZAFFAR HEIGHTS,  
AYER KEROH,  
75450 MELAKA.

#### Sample Descriptions:

Name/ID : Somodan  
Received : Wednesday, July 23, 2021, at 12.00 pm  
Registered : Wednesday, July 23, 2021, at 1.36 pm  
Type : Powder  
Container : Sachet  
Mfg. Date : NA  
Exp. Date : NA  
Batch No. : NA  
KKM No. : NA  
Test Performance Duration : 22 - 23 July 2021

#### Results:

No.	Test Parameter	Test Method	Food Act 1983 (ppm)	LOD (ppm)	Results (ppm)
1	Arsenic (As)	GFAAS	1.00	0.75	ND
2	Cadmium (Cd)	GFAAS	1.00	0.06	ND
3	Plumbum (Pb)	GFAAS	2.00	1.00	ND
4	Mercury (Hg)	FIMS	0.05	0.025	ND


Opinions and interpretations : NA

#### Notes:

- GFAAS: Graphite Furnace Absorption Spectroscopy
- FIMS: Flow Injection Mercury System
- LOD: Limit of Detection
- ppm: Part per million
- ND: Not Detected
- NA: Not Available
- KKM No.: MAL No. or NOT No.
- Six points calibration curve ( $R^2 > 0.995$ )
  - As 0.015 - 0.100 ppm ( $\mu\text{g/mL}$ )
  - Pb 0.020 - 0.100 ppm ( $\mu\text{g/mL}$ )
  - Hg 0.0005 - 0.012 ppm ( $\mu\text{g/mL}$ )
  - Cd 0.0012 - 0.0048 ppm ( $\mu\text{g/mL}$ )

#### Terms and Conditions

- USM's laboratory is not involved in any sampling activity of the samples tested. The test results herein are only valid for the samples being tested, as provided by Client
- USM does not give any form of guarantee on the safety and quality of the tested samples or on the products.
- USM assumes no liability for any loss, expense or damage occasioned by use or interpretation of this test results.
- Any unauthorized use, alteration, forgery or falsification of the content or appearance of this Certificate is unlawful and offenders may be prosecuted to the fullest extent of the law.
- Full laboratory address: Toxicology Laboratory of National Poison Centre, Block J06, National Poison Centre, Universiti Sains Malaysia, 11800 Penang.

  
ChM. Norjuliana Binti Mohd. Noor  
(IKM No: M/2947/5743/10)  
Approved Signatory/ Science Officer

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