



INDUSTRIAL TECHNOLOGY INSTITUTE (ITI)

P.O. Box, 787, 363, Baudhaloka Mawatha, Colombo 7, Sri Lanka.

Telephone: +94 11 2379800 Fax: +94 11 2379850

120/4A, Vidya Mawatha, Colombo 7, Sri Lanka.

Telephone: +94 11 2379800 Fax: +94 11 2379950

503/A, Halbarawa Gardens, Thaladena, Malambo, Sri Lanka.

Telephone: +94 11 2797300 Fax: +94 11 2379848

TEST REPORT

Report No. SS 2300224

Report to:

**Ms. Anushka Wickramatunge
25 A, Gnanarathne Mawatha
Pepiliyana**

Issued by:

**Herbal Technology Section
Industrial Technology Institute**

2023.01.05

The Report is issued under the following conditions:
Report No. SS 2300224

OWNERSHIP: The Industrial Technology Institute (ITI) was established under Act No.11 of 1994 of the parliament of Sri Lanka as the successor to the Ceylon Institute of Scientific & Industrial Research (Established under the Ceylon Institute of Industrial & Scientific Research Act no. 15 of 1955 of the Parliament of Sri Lanka) under the Ministry of Science and Technology.

CONFIDENTIALITY: Strict Confidentiality is maintained in all interactions with clients. The client must not use the Industrial Technology Institute (ITI) name and / or data in any manner, which might cause harm to the institute's reputation and / or business. Under no circumstances is the name of the institute, to be published either alone or in association with that of any other party without prior written approval from the Director General of the Institute.

The ITI is responsible for the management of all information obtained or created during the performance of laboratory activities in confidential manner.

TEST/CALIBRATION METHODS: In the absence of a specific request from the customer, ITI will adopt any appropriate national/international standard method for conducting the test/calibration. In the absence/non accessibility of standard methods, ITI may adopt any other relevant published test/calibration method or follow a method developed at ITI.

TEST/CALIBRATION REPORT: 1. Report is issued for the information of the customer and shall not be reproduced in total or in part without the prior written authority of the Director General, ITI. Any person or any party who alters or adds or deletes or interpolates any provisions or words or letters or figures shall be liable to legal action.

2. The report is not a Certificate of Quality. It only applies to the item of the specific product/equipment tested/calibrated or to the consignment/lot/batch from which a representative sample has been drawn by ITI. The results shall not be used to indicate or imply that they are applicable to other similar items. In addition such results must not be used to indicate or imply that ITI approves, recommends or endorses the manufacturer, supplier or user of such product/equipment or that ITI in any way guarantees the later performance of the product/equipment. 3. The report furnished by ITI shall not be used in any advertising or sales promotion without the prior written authority of the Director General ITI. 4. The report is limited specifically to the item/s submitted unless otherwise mentioned. 5. Conformities to a standard specification may be mentioned as required by standard specification or on request by the customer. 6. The ITI will not offer any opinion/advice or recommendation with respect to the suitability or otherwise of the item for any application or use. Interpretation of results and professional opinion and recommendations if required should be requested by customer and will be provided for an additional fee paid by the customer. 7. Under no circumstances does the ITI accept any liability or loss or damage caused by misuse of the ITI report. Liability is limited to the fee charged in case of proven negligence by the ITI.

COPIES OF REPORT: Only one copy of the report will be made available to the customer. Extra copies if necessary could be requested by customer at the time of submission of job and will be provided on the payment of an extra charge. Additional copies of the report endorsed by the Authorized signatory could be made available at the request of the customer within a period of one year from the date of issue of report, on a written request by the customer and on payment of an extra charge. No third party can obtain such a report without written authorization from the customer to ITI.

QUERIES ON REPORT: Customer queries on reports will be entertained only up to a period of one year from the date of issue of the report.

RETENTION OF TEST ITEMS: Perishable items will be destroyed immediately after testing, other items after one month from the date of issue of the report.

RETURN OF TEST ITEMS: Test items will be returned to the customer at the sole discretion of the ITI only on a written request by the customer.

LOSS OR DAMAGE: While the ITI exercises every care in respect of work entrusted to the Institute by customers, the Institute is not liable for any loss/damage howsoever caused to person/property, including property entrusted by customer to the Institute whether such loss, damage or delay may have been caused by reasons beyond the control of the Institute or otherwise.

LITIGATION: All costs associated with litigation or dispute for oral or written testimony or preparation of same or for any other purpose related to work provided by the ITI shall be paid by the customer. Such costs include, but are not limited to hourly charges, travel and accommodation, mileage, counsel, legal fees and all other expenses associated with the said litigation and dispute.

CHANGE OF CONDITIONS: ITI may at its sole discretion add to or amend the conditions of this report at the time of issue of the report and such additions or amendments shall be binding on the customer.



Test Report on Organic Ceylon Cinnamon Powder

Report No. SS 2300224

Name & Address of the customer : Ms. Anushka Wickramatunge
25 A, Gnanarathne Mawatha
Pepiliyana

Specimen : Organic Ceylon Cinnamon Powder
Description -
Appearance - Powder
Colour - Brown
Container - Sealed polythene bag
(Approx. 170 g x 2)
Label -

**"100% Organic Ceylon Cinnamon Powder
Cinnamon Vogue
Batch No - 211
Best Before - 12.06.2025"**

Date of receipt : 2022.12.09

Test requested : Tests for moisture content, volatile oil content, total ash, acid insoluble ash, extraneous matter, coumarin content and sulphur content as per customer's letter received on 2022.12.06.

Test method :

- (i) Moisture content
- (ii) Volatile oil content
- (iii) Total ash
- (iv) Acid insoluble ash
Test No. (i) – (iv)
According to SLS 81 : 2021.
- (v) Extraneous matter
According to SLS 186, Part II : 2008
- (vi) Coumarin content
High Performance Liquid Chromatography -
(Inhouse developed method)
- (vii) Sulphur content
As per ISO 5522 : 1981 Part (E)



... Continuation Sheet


Report No. SS 2300224

Test dates : 2022.12.19 - 2023.01.04

Results :

- | | | | |
|-------|----------------------|---|--|
| (i) | Moisture content | - | 7.3%, v/w |
| (ii) | Volatile oil content | - | 1.3%, v/w |
| (iii) | Total ash | - | 6.2%, w/w |
| (iv) | Acid insoluble ash | - | 0.4%, w/w |
| (v) | Extraneous matter | - | Not observed |
| (vi) | Coumarin content | - | 0.003%, w/w |
| | | | *(Minimum detectable level - 0.0004%, w/w) |
| (vii) | Sulphur content | - | 9.3 mg/kg |

Test for sulphur content was subcontracted to Chemical & Microbiological Laboratory of ITI.


.....
Mr. U.K.A. Samarasinghe
Research Technologist
Herbal Technology Section

2023.01.05
/gk


.....
Authorized Signatory

Dr. (Mrs.) S. Chelvendran
Principal Research Scientist
Herbal Technology Section
Industrial Technology Institute

The report is limited specifically to the specimen/s submitted.

Page 04 of 04 pages



INDUSTRIAL TECHNOLOGY INSTITUTE (ITI)

P. O. Box, 787, 363, Bauddhaloka Mawatha, Colombo 7, Sri Lanka.

Telephone: +94 11 2379800 Fax: +94 11 2379850

120/4A, Vidya Mawatha, Colombo 7, Sri Lanka.

Telephone: +94 11 2379800 Fax: +94 11 2379950

503/A, Halbarawa Gardens, Thaladena, Malambo, Sri Lanka.

Telephone: +94 11 2797300 Fax: +94 11 2379848

REPORT ON TESTING OF PERCENTAGE PASS THROUGH OF CINNAMON POWDER SAMPLE REPORT NO: CTS 2215307

**REPORT TO:
ANUSHKA WIKRAMATUNGE
25A, GNANARATHNE MAWATHA
PAPILIYANA**

**ISSUED BY:
FOOD TECHNOLOGY SECTION
INDUSTRIAL TECHNOLOGY INSTITUTE**

DECEMBER 14, 2022

Page 01 of 03 pages

THE REPORT IS ISSUED SUBJECT TO CONDITIONS MENTIONED OVERLEAF

"PLEASE ADDRESS ALL COVERS TO THE DIRECTOR GENERAL"

The Report is issued under the following conditions:

REPORT NO : CTS 2215307

CONFIDENTIALITY: Strict Confidentiality is maintained in all interactions with clients. The client must not use the Industrial Technology Institute (ITI) name and / or data in any manner, which might cause harm to the institute's reputation and / or business. Under no circumstances is the name of the institute, to be published either alone or in association with that of any other party without prior written approval from the Director General of the Institute.

TEST/CALIBRATION METHODS: In the absence of a specific request from the customer, ITI will adopt any appropriate national/international standard method for conducting the test/calibration. In the absence/non accessibility of standard methods, ITI may adopt any other relevant published test/calibration method or follow a method developed at ITI.

TEST/CALIBRATION REPORT: 1. The report is issued for the information of the customer and shall not be reproduced in total or in part without the prior written authority of the Director General, ITI. Any person or any party who alters or adds or deletes or interpolates any provisions or words or letters or figures shall be liable to legal action. 2. The report is not a Certificate of Quality. It only applies to the item of the specific product/equipment tested/calibrated or to the consignment/lot/batch from which a representative sample has been drawn by ITI. The results shall not be used to indicate or imply that they are applicable to other similar items. In addition such results must not be used to indicate or imply that ITI approves, recommends or endorses the manufacturer, supplier or user of such product/equipment or that ITI in any way guarantees the later performance of the product/equipment. 3. The report furnished by ITI shall not be used in any advertising or sales promotion without the prior written authority of the Director General ITI. 4. The report is limited specifically to the item/s submitted unless otherwise mentioned. 5. Conformities to a standard specifications may be mentioned as required by standard specification on request by the customer. 6. The ITI will not offer any opinion/advise or recommendation with respect to the suitability or otherwise of the item for any application or use. Interpretation of results and professional opinion and recommendations if required should be requested by customer and will be provided for an additional fee paid for by customer. 7. Under no circumstances does the ITI accept any liability or loss or damage caused by misuse of the ITI report. Liability is limited to the fee charged in case of proven negligence by the ITI.

COPIES OF REPORT: Only one copy of the report will be made available to the customer. Extra copies if necessary could be requested by customer at the time of submission of job and will be provided on the payment of an extra charge. Additional copies of the report endorsed by the Authorized signatory could be made available at the request of the customer within a period of 01 year from the date of issue of report, on a written request by the customer and on payment of an extra charge. No third party can obtain such a report without written authorization from the customer to ITI.

QUERIES ON REPORT: Customer queries on reports will be entertained only up to a period of 01 year from the date of issue of the report.

RETENTION OF TEST ITEMS: Perishable items will be destroyed immediately after testing, other items after 01 month from the date of issue of the report.

RETURN OF TEST ITEMS: Test items will be returned to the customer at the sole discretion of the ITI only on a written request by the customer.

LOSS OR DAMAGE: While the ITI exercises every care in respect of work entrusted to the Institute by customers, the Institute is not liable for any loss/damage howsoever caused to person/property, including property entrusted by customer to the Institute whether such loss, damage or delay may have been caused by reasons beyond the control of the Institute or otherwise.

LITIGATION: All costs associated with litigation or dispute for oral or written testimony or preparation of same or for any other purpose related to work provided by the ITI shall be paid by the customer. Such costs include, but are not limited to hourly charges, travel and accommodation, mileage, counsel, legal fees and all other expenses associated with the said litigation and dispute.

CHANGE OF CONDITIONS: ITI may at its sole discretion add to or amend the conditions of this report at the time of issue of the report and such additions or amendments shall be binding on the customer.



**REPORT ON TESTING OF PERCENTAGE PASS THROUGH OF CINNAMON
POWDER SAMPLE
REPORT NO : CTS 2215307**

1. **Client :** Anushka Wikramatunge
25A, Gnanarathne Mawata
Papiliyana
2. **Client Request:**
Client requested to analyze the pass through percentage of the provided cinnamon powder sample from 100 mesh (150 micron) standard sieve, in the request dated 2022.12.06.
3. **Date of payment :** 2022.12.06
4. **Sample Description:**
A cinnamon powder sample (approximately 170 g) in a sealed polythene pack was submitted by the client to ITI on 2022.12.06. The sample was labelled as Ceylon Cinnamon Powder, Cinnamon Vogue and the batch number was No:211. The best before date was 06.12.2025.
5. **Methodology:**
Test was conducted using the sieve shaker apparatus (W.S. Tyler Corporation, Model: RO-TAP, Type: AX-29-10) equipped with 100 mesh (150 microns) standard sieve. Twenty five grams of test sample was used in the test and the shaking operation with simultaneous tapping was continued until constant weight is obtained. Pass through percentage of the cinnamon powder sample was calculated as an average of three test results.
6. **Result:**
Percentage of pass through from sieve is given in Table 01.

Table 01: Test results of percentage of pass through of cinnamon powder

Sieve Size	% of Pass through
100 mesh number (150 microns)	90.2 ± 0.31

7. **Comment:**
The pass through of the provided cinnamon sample from 100 mesh (150 micron) standard sieve is 90.2%.

.....
Mr. P. N. R. J. Amunugoda, PhD
Director
Food Technology Section
vn/
2022.12.14

.....
Ms. D.A.V. Nilukshi
Research Scientist
Food Technology Section

P. Neville R. J. Amunugoda, PhD
B Sc (Agric) Hons
Director
Food Technology Section
Industrial Technology Institute