



केन्द्रीय आयुर्वेद औषधि विकास अनुसंधान संस्थान
Central Ayurveda Research Institute for Drug Development

केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद, आयुष मंत्रालय, भारत सरकार

CCRAS, Ministry of AYUSH, Government of India

४ - सी. एन. ब्लाक, सेक्टर - ५, विधाननगर, कोलकाता - ७०० ०९९

4- CN Block, Sector -V, Bidhannagar, Kolkata - 700091.

Fax: 033 2367-1001, EPBX : 033 2367-3881/1002, Ph. 033 2367-3808 (Director)

Email: nriadd-kolkata@gov.in & nriadd.kolkata@gmail.com

Ref.No.: F.6-35/2019-CARIDD /Tech./ Chem./ 3373

Date: 27.1.2020

To,
The principal,
Bengal school of Technology,
Sugandha, Hooghly-712102(W.B)

Sub:- Testing of Ayurvedic Drug sample-reg.

Ref:- BST/CARIDD/251/2019 dated 27.04.19

Sir,

I am sending herewith AYU-A coded drug & AYU-A (Placebo) each (50 gms approx.) for testing of i) Disintegration time, ii) Dissolution time, iii) Hardness, iv) Friability. It is also to be noted that the limit of detection should be mentioned against all parameters along with finding values if it is available in the protocol. (As per API)

It would be highly appreciated if you kindly do the needful for the same as an urgent basis and send the complete report within 5-7 days after receiving the drugs. After completion of the testing analysis of the sample, necessary Invoice along with detailed report of the testing should be sent at **CARIDD, Kolkata**. The payment will be made **through online payment** only after receiving of original tax invoice.

You are also requested to send your bank details.

Thanking you,

Yours sincerely,

(Dr. Jayram Hazra)

Director

Copy to:-

1. HOD, Chemistry section
2. Cash Section for information

Director (Institute)

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Ref.No.: F.No. 6-5/2002-NRIADD/Tech/Stand/Chem/ 78

Date: ०९/०४/२०१९

To,
The principal
Bengal School of Technology
Sugandha, Delhi Road
Near Chuchura Railway Station Hooghly - 712102,
West Bengal, India

Sub.: Evaluation of Quality parameters for coded Tablets – reg.

Sir,

This is to inform you that this Institute is working on Drug Research (Ayurveda) and developed a coded drug and requires some Quality parameters from your esteemed Institute. In this connection, I am sending here with 100 film coated tablets in 03 (Three) batches, 100 plain tablets in 03 (Three) batches separately with a request to carry out the following tests and submit your report at the earliest.

Sl.No	Quality parameter
1.	Average weight
2.	Disintegration time
3.	Dissolution time
4.	Hardness
5.	Friability

The bill in duplicate and the bank account details, along with the reports may kindly mail to this institute for making payment.

Thanking you,

Yours sincerely,

(Dr.M.M.Rao)

Director



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Email: nriadd-kolkata@gov.in & nriadd.kolkata@gmail.com

Ref.No.: F.No. 6-5/2002-NRIADD/Tech/Stand/Chem/

Date:27/02/2019

To,

The principal

Bengal School of Technology

Sugandha, Delhi Road

Near Chuchura Railway Station Hooghly - 712102,

West Bengal, India

Sub.: Evaluation of Quality parameters for coded Tablets – reg.

Sir,

This is to inform you that this Institute is working on Drug Research (Ayurveda) and developed a coded drug and requires some Quality parameters from your esteemed Institute. In this connection, I am sending here with 100 film coated tablets in 03 (Three) batches, 100 plain tablets in 03 (Three) batches separately with a request to carry out the following tests and submit your report at the earliest.

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1.	Average weight
2.	Disintegration time
3.	Dissolution time
4.	Hardness
5.	Friability

The bill in duplicate and the bank account details, along with the reports may kindly mail to this institute for making payment.

Thanking you,

Yours sincerely,

(S. N. Upadhyay)

A.D. Pharmacology

For Director



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Email: nriadd-kolkata@gov.in & nriadd.kolkata@gmail.com

Ref.No.: F.No. 6-5/2002-NRIADD/Tech/Stand/Chem/ 5792

Date:04/01/2019

To,
The principal
Bengal School of Technology
Sugandha, Delhi Road
Near Chuchura Railway Station Hooghly - 712102,
West Bengal, India

Sub.: Evaluation of Quality parameters for AYUSH- GG coded Tablets – reg.

Sir,

This is to inform you that this Institute is working on Drug Research (Ayurveda) and developed a coded drug Viz. AYUSH-GG and requires some Quality parameters from your esteemed Institute. In this connection, I am sending here with 100 film coated tablets in 03 (Three) batches separately with a request to carry out the following tests and submit your report at the earliest.

Sl.No	Quality parameter
1.	Average weight
2.	Disintegration time
3.	Dissolution time
4.	Hardness
5.	Friability

wt variation

The bill in duplicate and the bank account details, along with the reports may kindly mail to this institute for making payment.

Thanking you,

Yours sincerely,

(Dr. M.M. Rao)
Director

(Signature)



Herbal Research Project

Memorandum of Understanding
Between
Herb Advantage LLC, USA
and
Bengal School of Technology (BST), India

This Memorandum of Understanding (MOU) sets the terms and understanding between the organization Herb Advantage LLC and (BST) to conduct scientific research on Indian Herbs. This research will aid in developing herbal products in targeted disease state based on scientific evidence.

Background

There is an unmet need of evidence-based research in developing herbal products. It is necessary to standardize the content of phytochemicals in various herbs to achieve optimum health benefit.

Research

This MOU will act as guidelines and responsibilities of the following initiatives:

- All such researches will be conducted in the laboratory at Bengal School of Technology under the supervision of the faculty expert in this area assigned by the Institution and under the guidance of the mentor from organization Herb Advantage LLC.
- All clinical trials on human will be conducted under the supervision of the physician at Dr. N.P. Singh's organization.
- Statistical analysis and compilation of data will be performed by the statistician
- Final data will be published in International journal
- All investigations and findings will be kept strictly confidential and should not be shared with any other individual or Institution other than individuals and Institutions mentioned in this MOU.

Reporting

Any novel finding will be copyrighted and credits will be shared by all stakeholders.

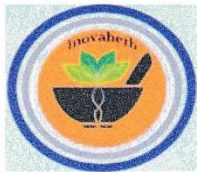
Funding

This MOU will be executed in good faith to leverage synergies from each other's expertise and no financial compensation is expected for services at this time. However, as the initiative expands, all stakeholders can decide to explore the funding opportunities from the stakeholders or any other financial institution. Initially investment of the concept development will be made by the stakeholders.

Financial

HERB ADVANTAGE will provide reasonable reimbursement to BST in the form of scholarship and/or other expenses incurred by BST.

Financial viability will be evaluated of this initiative. BST will provide list of instruments and apparatuses available in their laboratory. Team will evaluate and provide/recommend few instruments/apparatuses, which



either BST can purchase on their college budget. Herb Advantage can assist to procure following instruments/apparatus too. Following amount would be provided to accelerate the research activity:

1) **Chemicals:**

- a. Acetonitrile (HPLC Grade)@ 1728/2.5 lits
- b. Methanol (HPLC Grade)@ 1250/2.5 lits
- c. Water (HPLC Grade) @ 500/2.5 lits
- d. ETHANOL (LAB Grade) @ 58.12/lit

2) **Instrument:**

- a. C-18 COLUMN AGILENT

Amount for Chemical & Instrument: Rs 75000.00

3) **Scholarship @ 12000 per month per student for 6 months**

Amount for the Scholarship, for 2 students: Rs 144000.00

Total amount HERB ADVANTAGE will disburse (Rs 75000.00 + Rs 144000.00 = Rs 219000.00)

Mechanism

Herb Advantage LLC will provide mechanism to execute the research activities. Details will be added as the process will be defined.

Duration

This MOU is at-will and may be modified by mutual consent of authorized officials from (see the list of partners as below). This MOU shall become effective upon signature by the authorized officials and will remain in effect until modified or terminated by any one of the partners by mutual consent. In the absence of mutual agreement by the authorized officials this MOU shall end on December 31st, 2022.

Date: 20/03/2020

**Herb Advantage LLC
(Debol Gupta)**

**Bengal School of Technology (BST), India
(Dr. P. Chakraborty)**