

TEST REPORT

1.0 Title

Quantitative determination of Beta 1,3-1,6 glucan and adenosine in NevGro Capsule.

2.0 Purpose

2.1 To determine the content of Beta 1,3-1,6 glucan in NevGro Capsule.

2.2 To determine the content of adenosine in NevGro Capsule.

3.0 Client

Ganofarm R&D Sdn. Bhd
 Lot 700, Jalan Laut Membiru,
 Taman Pelangi, 42800 Tanjong Sepat,
 Kuala Langat, Selangor.

4.0 Description of sample

Sample name : NevGro Capsule
 Batch No. : 7H2308X
 Sample condition : Ambient
 Sample received : 13/09/17
 Capsule weight : 300mg / capsule

5.0 Test Method

5.1 Beta 1,3-1,6 Glucan (Enzyme test kit method)

5.2 Adenosine (HPLC method)

6.0 Result

No.	Test Parameter	Unit	Test Method	Result
1	Beta 1,3-1,6 Glucan	mg	In-house method, based on Mushroom and Yeast Beta-Glucan Assay Procedure K-YBGL 12/16	61.98
2	Adenosine	mg	In-house method, HPLC Analysis of Adenosine	0.50

REPORT SHEET

Product name : NevGro Capsule
Sample from : Ganofarm R&D Sdn. Bhd
Batch No : 7H2308X
Date of report : 12/10/2017
Analyst : 1) Nur Jannah 2) Noraini Binti Ishak
Report

HPLC Fingerprinting

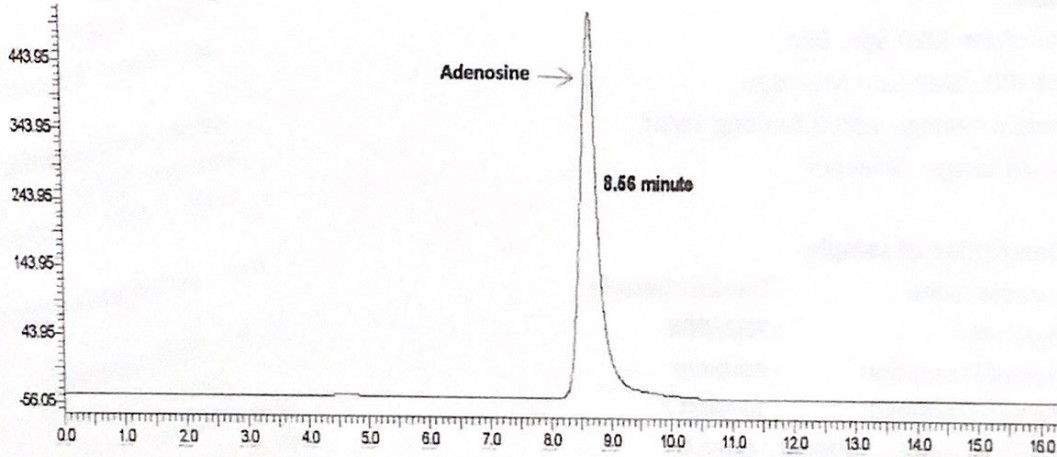


Diagram 1 : HPLC Chromatogram of Reference: Adenosine

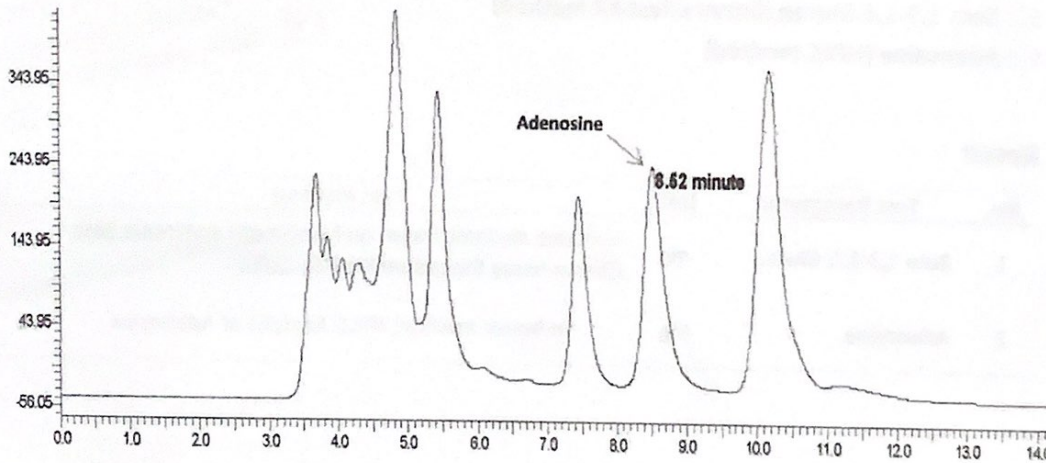


Diagram 2 : HPLC Chromatogram of Sample: NevGro, Batch No: 7H2308X

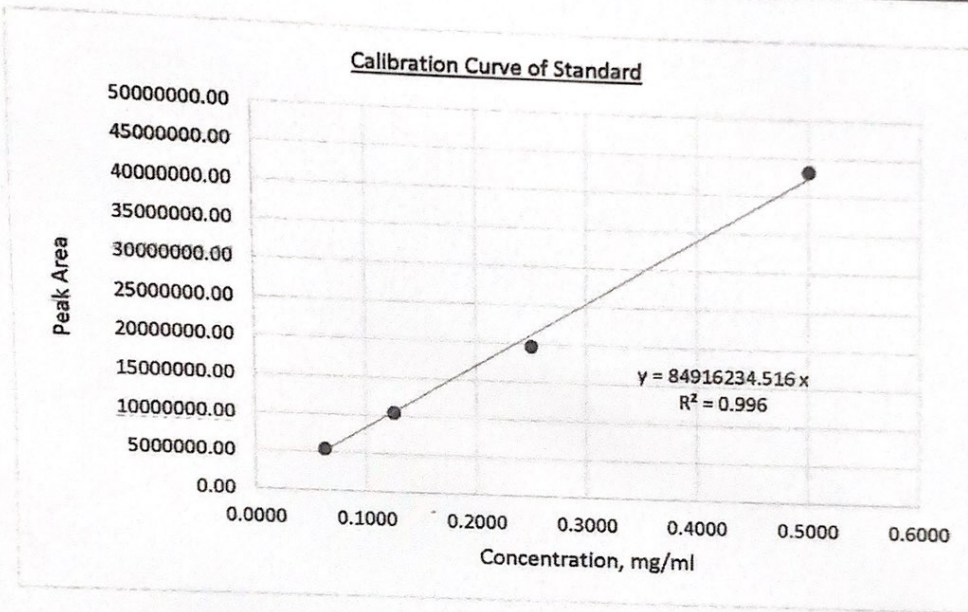


Diagram 3 : Calibration Curve of Adenosine

7.0 Conclusion

1. The correlation coefficient, R2 of the calibration curve of Adenosine is 0.996 which indicates a positive linear relationship between Adenosine concentration and the area under curve.
2. The sample received, NevGro capsule, Batch No.: 7H2308X contains 20.66%, which is 61.98mg of beta 1,3-1,6 Glucan per capsule.
3. The sample received, NevGro capsule, Batch No.: 7H 2308X contains 0.17%, which is 0.5mg of Adenosine per capsule.

Reported by,

Norezzati Afifa Razali
QC Manager

NevGro® CAPSULES: RESEARCH AND INNOVATION AWARDS

NevGro® is an innovative product developed by a team of scientists & researchers. NevGro® has gone through 20 years of research collaborated with the University of Malaya. Until today, researches are still on-going, targeting different studies. Many local & international universities have joined in the collaboration, including The University of Hong Kong, Management & Science University (MSU).

NevGro® Research Studies:

- Memory and learning ability
- Alzheimer's disease
- Parkinson's disease
- Nerve Regeneration
- Neuromuscular disorders: Friedreich's Ataxia
- Depression
- Chemical profiling & analysis

Our Publications on *Hericium erinaceus* and NevGro® (International Journals and Chapter in Book):

- Antioxidant-mediated protective role of *Hericium erinaceus* (Bull.: Fr.) pers. against oxidative damage in fibroblasts from friedreich's ataxia patient
- Effects of cultivation techniques and processing on antimicrobial and antioxidant activities of *Hericium erinaceus* (Bull.:Fr.) Pers. extracts
- Haematological, biochemical and histopathological aspects of *Hericium erinaceus* ingestion in a rodent model: A sub-chronic toxicological assessment
- *Hericium erinaceus* potentially rescues behavioural motor deficits through ERK-CREB-PSD95 neuroprotective mechanisms in rat model of 3-acetylpyridine-induced cerebellar ataxia
- Lion's Mane: The Medicinal Mushroom That Offers New Hope for Peripheral Neuropathy
- Peripheral nerve regeneration following crush injury to rat peroneal nerve by aqueous extract of medicinal mushroom *Hericium erinaceus* (Bull.: Fr) Pers. (Aphyllophoromycetidae)
- An Overview of Culinary and Medicinal Mushrooms in Neurodegeneration and Neurotrauma Research
- Neuroregenerative Potential of Lion's Mane Mushroom, *Hericium erinaceus* (Bull.: Fr.) Pers. (Higher Basidiomycetes), in the Treatment of Peripheral Nerve Injury (Review)
- Restoration of sensory dysfunction following peripheral nerve injury by the polysaccharide from culinary and medicinal mushroom, *Hericium erinaceus* (Bull.: Fr.) Pers. through its neuroregenerative action
- Functional Recovery Enhancement Following Injury to Rodent Peroneal Nerve by Lion's Mane Mushroom, *Hericium erinaceus* (Bull.: Fr.) Pers. (Aphyllophoromycetidae)
- Activity of Aqueous Extracts of Lion's Mane Mushroom *Hericium erinaceus* (Bull.: Fr.) Pers. (Aphyllophoromycetidae) on the Neural Cell Line NG108-15

