

Institute of Natural Medicine  
**Certificate of Analysis**  
 Natural Melatonin, Night Time Formula

Institute of Natural Medicine Aps  
 Adalen 38, 7760 Hurup Thy, Denmark  
 Phone: +45-535-573-37  
 ionmaps@protonmail.com

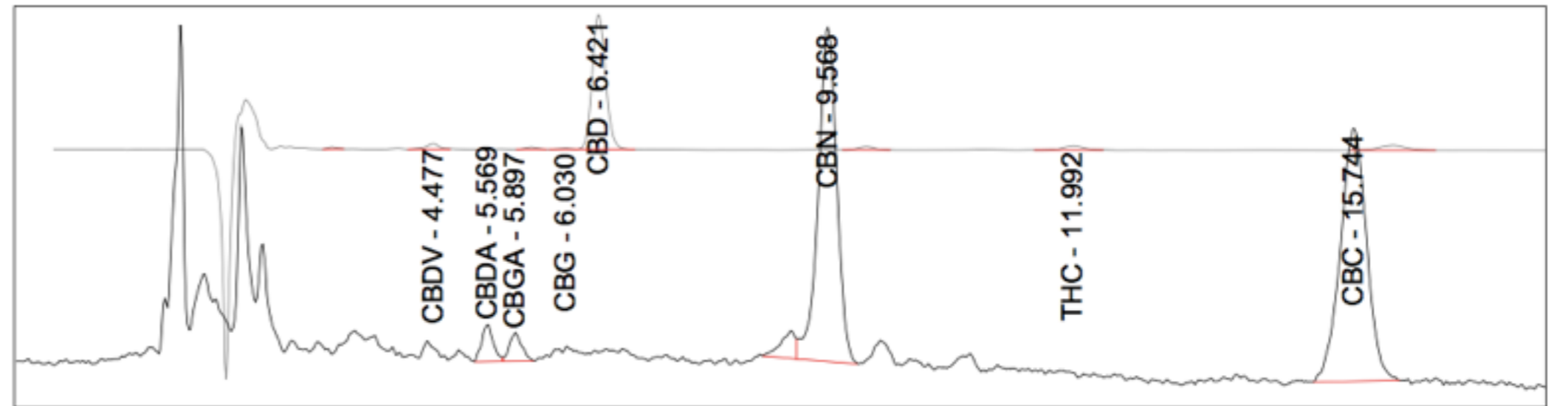
Responsible Supervisor:	Osvaldas P.
Sample	Batch# 3266
Date of production:	12-September 2025
Date analysis began:	12-September 2025
Date sample report produced:	15-September 2025
Expiry date:	09-2027
Storage temperature:	15°C to 30°C

**CBD 5.27%**

**Cannabinoid Profile:**

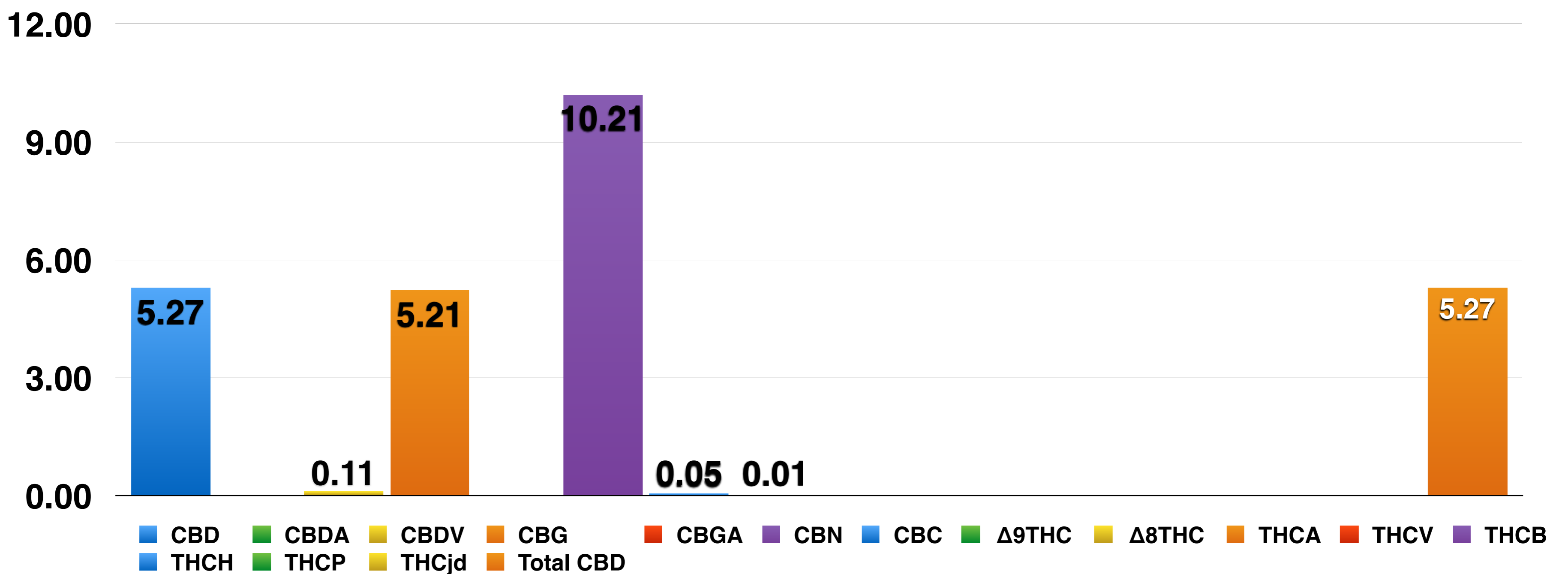
**Method: HPLC-UV**

Component	Mass (%)	Amount (mg/g)
CBD	5.27	52.70
CBDA	ND	ND
CBDV	0.11	1.10
CBG	5.21	52.10
CBGA	ND	ND
CBN	10.21	102.10
CBC	0.05	0.50
Δ9THC	0.01	0.10
Δ8THC	ND	ND
THCA	ND	ND
THCV	ND	ND
THCB	ND	ND
THCH	ND	ND
THCP	ND	ND
THCjd	ND	ND
<b>Total CBD</b>	<b>5.27</b>	<b>52.70</b>



ND - Not detected, LOD - Limit of Detection (LOD=0.001%)

**Cannabinoids as Percent of Total Mass**



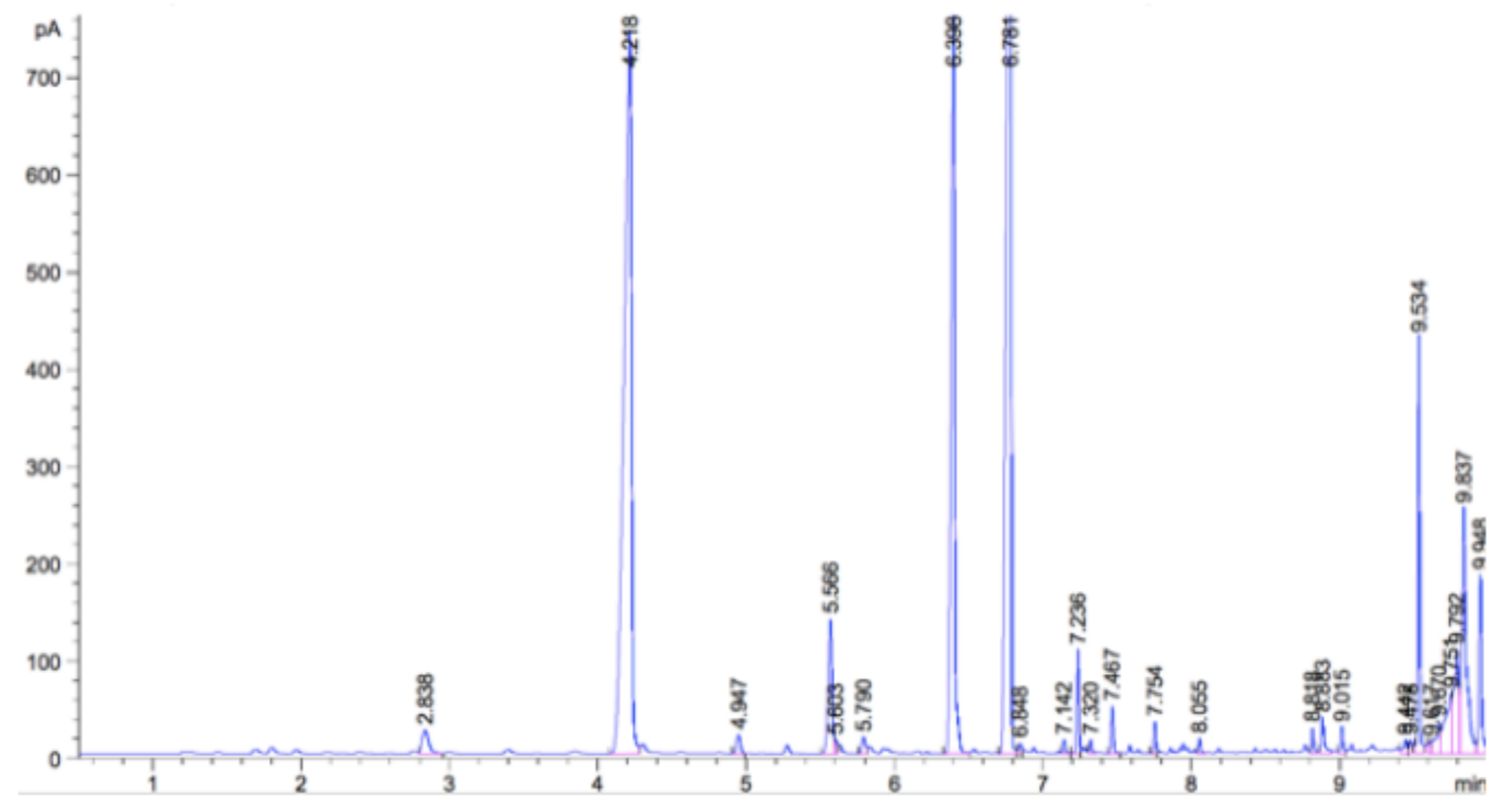
Institute of Natural Medicine  
**Certificate of Analysis**  
 Natural Melatonin, Night Time Formula

Institute of Natural Medicine Aps  
 Ådalen 38, 7760 Hurup Thy, Denmark  
 Phone: +45-535-573-37  
 ionmaps@protonmail.com

Responsible Supervisor:	Osvaldas P.
Sample	Batch# 3266
Date of production:	12-September 2025
Date analysis began:	12-September 2025
Date sample report produced:	15-September 2025
Expiry date:	09-2027
Storage temperature:	15°C to 30°C

**Terpenoid Profile:**

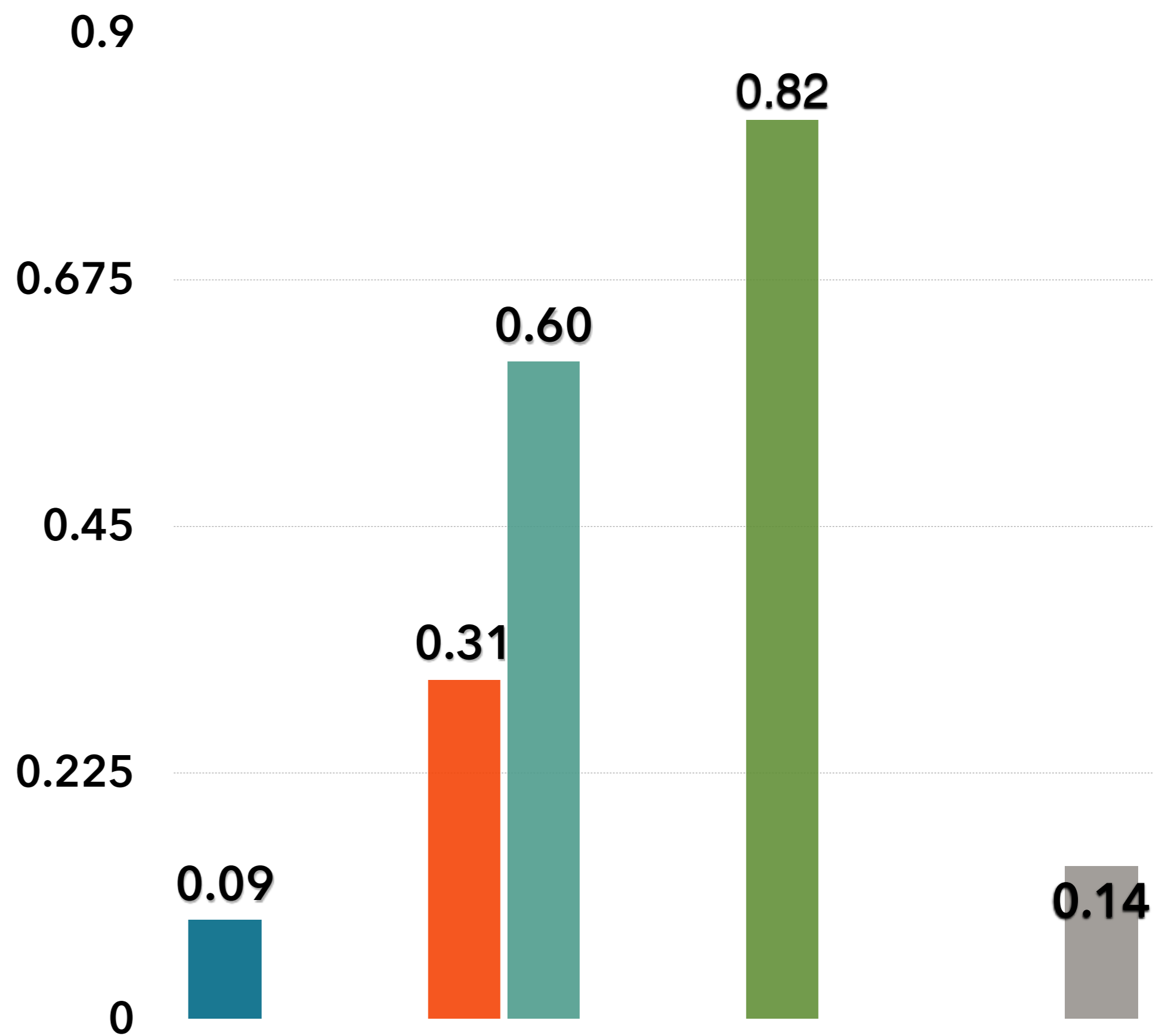
Component	Amount %
β-Caryophyllene	0.09
α-Humulene	ND
Caryophyllene oxide	ND
Myrcene	0.31
α-Pinene	0.60
Terpinolene	ND
Humulene epoxide II	ND
Limonene	0.82
β-Pinene	ND
E-β-Ocimene	ND
Sabinene	ND
Linalool	0.14



ND - Not Detected

**Terpenoid Distribution**

- β-Caryophyllene
- α-Humulene
- Caryophyllene oxide
- Myrcene
- α-Pinene
- Terpinolene
- Humulene epoxide II
- Limonene
- β-Pinene
- E-β-Ocimene
- Sabinene
- Linalool



Institute of Natural Medicine  
**Certificate of Analysis**  
 Natural Melatonin, Night Time Formula

Institute of Natural Medicine Aps  
 Adalen 38, 7760 Hurup Thy, Denmark  
 Phone: +45-535-573-37  
 ionmaps@protonmail.com

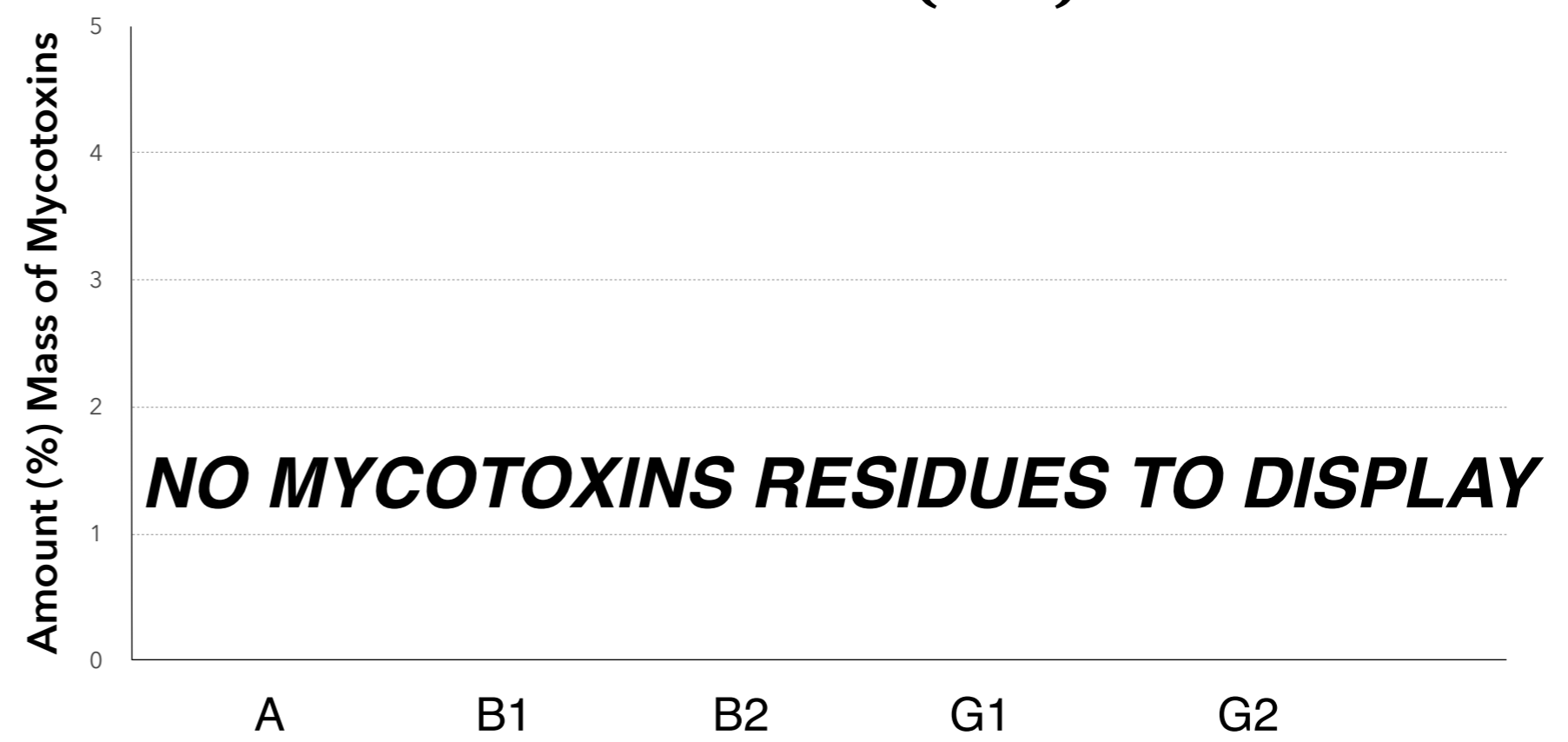
Responsible Supervisor:	<u>Osvaldas P.</u>
Sample	<u>Batch# 3266</u>
Date of production:	<u>12-September 2025</u>
Date analysis began:	<u>12-September 2025</u>
Date sample report produced:	<u>15-September 2025</u>
Expiry date:	<u>09-2027</u>
Storage temperature:	<u>15°C to 30°C</u>

**Microbial Profile:**

Component	CFU	Results
Total Plate Count	1 g	<1000
Listeria m.	1 g	ND*
Escherichia c.	1 g	ND*
Salmonella	25 g	ND*
Yeast	1 g	ND*
Mould	1 g	ND*

\*ND - Not detected

**All Mycotoxins at  
 Non Detectable (ND) levels**



**Proximate analysis**

Test	Result, %
Loss on drying	1.25
Protein content	0.25
Total fat content	98.32
Carbohydrates content	ND*
Total Fiber content	ND*
Total sugars content	ND*
Total ash content	ND*
Sulphated ash content	ND*

\*ND - Not detected

Institute of Natural Medicine  
**Certificate of Analysis**  
 Natural Melatonin, Night Time Formula

Institute of Natural Medicine Aps  
 Ådalen 38, 7760 Hurup Thy, Denmark  
 Phone: +45-535-573-37  
 ionmaps@protonmail.com

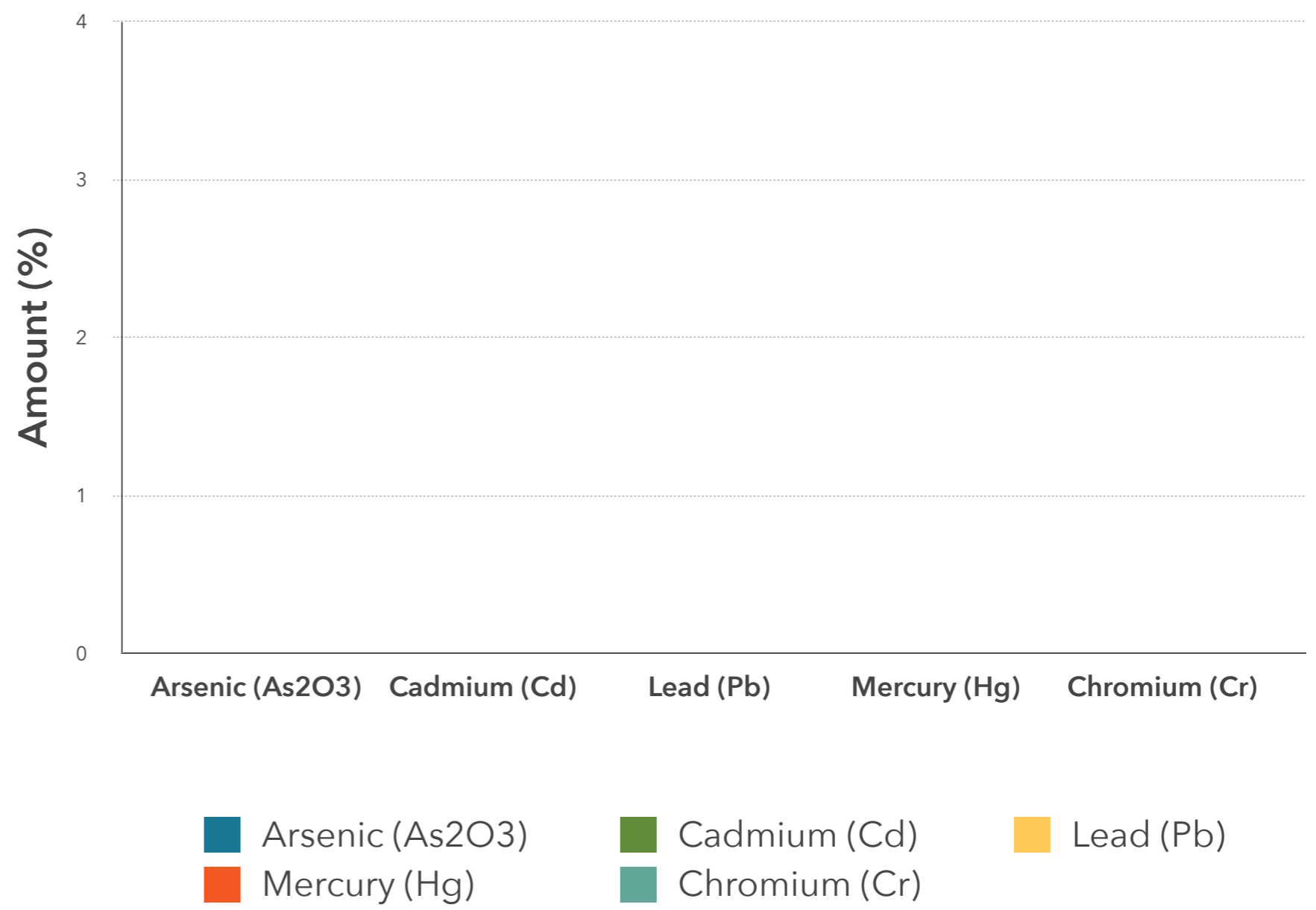
Responsible Supervisor:	<u>Osvaldas P.</u>
Sample	<u>Batch# 3266</u>
Date of production:	<u>12-September 2025</u>
Date analysis began:	<u>12-September 2025</u>
Date sample report produced:	<u>15-September 2025</u>
Expiry date:	<u>09-2027</u>
Storage temperature:	<u>15°C to 30°C</u>

**Heavy Metals Profile:**

Component	Mass (%)	Amount (ppm)	Limit** (ppm)
Arsenic (As <sub>2</sub> O <sub>3</sub> )	ND*	< 0.1	< 0.1
Cadmium (Cd)	ND*	< 0.1	< 0.1
Lead (Pb)	ND*	< 0.1	< 0.1
Mercury (Hg)	ND*	< 0.1	< 0.1
Chromium (Cr)	ND*	< 1	< 1
Tin (Sn)	ND*	< 10	< 10

\*ND - Not detected, \*\*Codex STAN 193-1995, GB 2762, EC No. 1881/2006, FDA

**All Heavy Metals at Non Detectable (ND) levels**



**Conclusions:**

**No heavy metal residues detected.**

**No flammable residues detected.**

**No chemical residues detected.**

Institute of Natural Medicine  
**Certificate of Analysis**  
Natural Melatonin, Night Time Formula

Institute of Natural Medicine Aps  
Ådalen 38, 7760 Hurup Thy, Denmark  
Phone: +45-535-573-37  
ionmaps@protonmail.com

Responsible Supervisor:  
Sample  
Date of production:  
Date analysis began:  
Date sample report produced:  
Expiry date:  
Storage temperature:

Osvaldas P.  
Batch# 3266  
12-September 2025  
12-September 2025  
15-September 2025  
09-2027  
15°C to 30°C

**Pesticide Analysis: Our tests looked for residue of nearly 300 known pesticides finding no evidence of any over detectable limits.**

**PESTICIDES MEASURED**

Acrinathrin Azoxystrobin Biphenhin Bitertanol Biphenyl Bromopropylate Bromuconazole Bupirimate Cadusafos Captafol Captan Chlorphenson Chlorfenapyr Chlorfenvinphos Chlorothalonil Chlorprophame 3,5-Dichloraniline Chlorpyrifos Chlorpyrifos-methyl Chlorthal-dimethyl Cyfluthrin Cypermethrin Cyproconazole Cyprodinil Clomazone o,p-DDE P,P-DDE o,p-DDD P,P-DDD o,p-DDT p,p-DDT Deltamethri Diazinon Diclofop-methyl Dieldrin Dichlobenil Dichlofluanid Dichlorvos Dicloran Dicofol Dicrotophos Diethofencarb Diflubenzuron Dimetachlor Diniconazole Dodemorph Diphenylamine Alpha-Endosulfan Beta-Endosulfan Endosulfan-sulphate Ethion Etofumesate Ethoprophos Ehtoxyquin Etoxazole Etridiazole Etrimphos Famoxadone Fenarimol Fenazaquin Fenchlorphos Fenhexamid Fenihothion Fenpropidin Fenpropimorph Fenvalerate Formothion Fipronil Fipronil-sulfone Fludioxonil Flusilazole Flutriafol Folpet Fuberidazole Furathiocarb Hexaconazole HCB Alpha-HCH Beta-HCH Delta-HCH Heptachlor Heptachlor-epoxidceis Heptachlor-epoxidtreans Iprodione Iprovalicarb Lambda- cyhalothrin Lindane Mecarbam Metalaxv Metazachlor Methidathion Metribuzin Mevinphos Myclobutanil Nuarimol Orthophenylphenol Oxadixyl Paclbutrazol Parathion Parathion-methyl Paraoxon-methyl Paraoxon-ethyl Penconazole Pendimethaline Permethrin Phenthoate Phorate Procymidone Profenofos Propiconazole Propyzamide Pyrazophos Pyrethrins Pyridaben Pyrimethanil Pyriproxyfen Quinoxifen Quitozone Pentachloraniline Phosphamidon Pyrifenoxy Prometryn Propanil Propoxur Proquinazid Prothiofos Simazine Spiroxamine T au-fluvalinate T ebuconazole T ebufenpyrad T ecnazene T efluthrin T erbuthylazine T etraconazole T etradifon T etramethrine T olclofos-methyl T olyfluanid Transfluthrin Triadimephon Triadimenol Trialate Trifloxystrobin Triflumizole Vinclozolin DDT isomersum Heptachlor (heptachloarnd heptachloer poxidsum) Trifluraline Chlorobenzilate 3-Chloraniline Abamectin (AvermectinBla and AvermectinBlb sum) Acetamidrid Aldicarb Aldikarbsulphone Aldikarbsulphoxide Azinphos-ethyl Azinphos-methyl Benalaxyl Benfuracarb Boscalid Buprofezin Carbaryl Carbendazim Carbofuran 3-hydroksicarbofuran Carbosulfan Chloridazon Cymoxanil Clofentezin Clothianidin Demeton-S-methyl Demeton-S-methylsulfoxid Diafenthiuron Difenconazole Dimethoate Dimethomorph Diuron EPN Epoxiconazole Ethirimol Etofenprox Fenamidol Fenbuconazole Fenbutatinoxid Fenoxycarb Fenpyroximate Fenprothrin Fensulfathion Fenthion Fenthionsulphone Fenthionsulphoxide Fluazinam Flufenoxuron Fluquinconazole Fonofos Formetanate Fosthiazate Hexythiazox Imazalil Imidacloprid Indoxacarb Isofenphos Methacrifos Isofenphos-methyl Krezoxim-methyl Linuron Lufenuron Malaaxon Malathion Mepanipirim Mepronil Metamitron Metconazole Methamidophos Methiocarb Methiocarbsulphone Methiocarbsulfoxide Methomyl Methoxyfenozide Metobromuron Monocrotophos Monolinuron Omethoate Oxamyl Pencycuron Phenmedipham Phosalone Phosmet Phosmeot xon Phoxim Pymetrozine Piperonylbutoxide Pyraclostrobin Pyridaphenthion Pyridate Pyrifenoxy Pirimicarb Pirimicarbdesmethyl Pirimiphos-methyl Primisulfuron-methyl Prochloraz Propamocarb Propargite Prothioconazole Prothioconazole-desthio Quinalphos SpinosynA SpinosynD Sulfotep T ebufenozide T eflubenzuron Thiabendazole Thiacloprid Thiamethoxam Thiodicar Thiophanate-methyl Tralkoxydim Triazophos Trichlorfon Triflumuron Triforine Triticonazole Zoxamide Acephate Amitraz Fenamiphos Fenamiphosulphone Fenamiphosulfoxid Nitempiram Fenthionoxonsulphone Fenthionoxonsulfoxid Kumapho Piriphenox Mehibuzine DEET

**Our microbiology analysis is standardized after the following protocols:**

- ISO 6579:2003
- ISO 11290-1:2003
- ISO 16649-2:2002
- ISO 21527-2:2008

**Note on Cannabinoid Testing:**

All cannabinoids in their acid forms (ending in "-A") are convertible to their non-acid forms via a decarboxylation process (heating). The components lose mass through this process. To find the total theoretical active cannabinoids, one multiplies the acid forms by 87.7%. For example, CBD-A can be converted to active CBD using the formula:  $CBD-A \times 0.877 = CBD$ . In this case, the Max CBD for the sample is:  $Max\ CBD\ (\%) = (\%CBD-A \times 0.877) + \%CBD$ . The same calculation assay is valid for THC-A. This method has been validated according to the principles of the International Conference on Harmonisation.

**Chromatographic Analysis:**

Analysis of cannabinoids content was performed using Waters 2695 (Milford, MA, USA) separation module equipped with auto injector, sample cooler, vacuum degasser and column heater units. Separation of all cannabinoids was accomplished on YMC PRO C18 (150 x 4 mm I.D., S-3µm) RP column coupled with C18 precolumn maintained at 30 °C by a CTO-20AC column oven. Isocratic elution consisted of acetonitrile:water (4:1) was done in 20 min. The flow rate was maintained at 0.8 ml/min. The cannabinoids were monitored using dual absorbance detector Waters 2487 (Milford, MA, USA). The injection volume of 1 mg/ml sample was 10 µl. Data evaluation was performed using Clarity software. Quantification of cannabinoids was obtained from linear regression equation of calibration curve of individual reference standard by plotting concentration versus the area ratio.

Analysis of terpenes was performed using GC-HS system equipped with auto injector. Separation was accomplished on Rx624Sil, 30m, 0.25 µm ID column.