



LIFTMODE  
47 W. Polk St. STE 100-241  
Chicago, IL 60605

liftmode@liftmode.com  
www.liftmode.com

## CERTIFICATE OF ANALYSIS

### Melatonin (*N*-acetyl-5-methoxy tryptamine)

Material Lot #: 170201  
Country of Origin: China

Manufacture Date: 02/17/2017  
Expiration Date: 02/17/2020

Analysis	Claim	Result
Melatonin	≥99.0%	99.7%

Test	Specification	Result
Assay	≥99.0%	99.7%
Appearance	Off-white Powder	Complies
Chloride	<0.02%	Complies
Loss on Drying	<0.5%	0.18%
Residue on Ignition	<0.1%	0.04%
Heavy Metals	≤10 ppm	Complies
Arsenic	≤2 ppm	Complies
Melting Point	117°-120°C	117.6°-118°C
Bulk Density	≥0.3	0.4
Odor	Characteristic	Complies
Particle Size	95%min 80mesh	Complies≥99.

Melatonin should be stored at or below room temperature in a tightly sealed durable container. Melatonin should be protected from excess heat, direct sunlight, excess humidity and moisture. Melatonin has a stable shelf life of 3 years from the date of manufacture when properly stored.

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Product Name	Melatonin	Client Lot Number	170201
Report Date	07/17/17	Laboratory #	8930

Test	Method	Result
Identification	H-NMR	Conforms
Assay	CA-066 (HPLC)	100.3%
Lead	ICP-MS USP <730>	0.006 ppm
Arsenic	ICP-MS USP <730>	0.130 ppm
Cadmium	ICP-MS USP <730>	<0.001 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm
Total Aerobic Count	Biolumix	<100 CFU/g
Yeast & Mold	Biolumix	<100 CFU/g
Salmonella	Biolumix	Negative
E. Coli	Biolumix	Negative
Coliform	Biolumix	< 10 CFU/g

Collin Thomas *CT*  
Laboratory Manager

07/17/2017 *7/17/17*  
Date

1H NMR of melatonin  
in DMSO  
lot # 8930  
Colmaric Analytical  
400 MHz

```

Current Data Parameters
NAME      Jul06-2017-colmaric
EXPNO    6
PROCNO   1

F2 - Acquisition Parameters
Date_    20170706
Time     14.38
INSTRUM  spect
PROBHD   5 mm PABBO BBI-
PULPROG  zg30
TD       32768
SOLVENT  DMSO
NS       32
DS       0
SWH      5208.333 Hz
FIDRES   0.158946 Hz
AQ       3.1457281 sec
RG       40.3
DW       96.000 usec
DE       25.61 usec
TE       298.0 K
D1       1.5000000 sec
TD0      1

----- CHANNEL f1 -----
NUC1     1H
P1       11.38 usec
PL1      -2.50 dB
PL12     18.35869598 N
SFO1     400.1320007 MHz

F2 - Processing parameters
SI       32768
SF       400.1300068 MHz
WDW      EM
    
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