



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

liftmode@liftmode.com  
www.liftmode.com

**CERTIFICATE OF ANALYSIS**

**5-HTP**

(5-Hydroxytryptophan)

Material Lot #: 05010261  
Country of Origin: China

Manufacture Date: 02/05/2016  
Expiration Date: 02/04/2018

Analysis	Claim	Result
5-HTP	≥98.0%	99.02%

Test	Specification	Result
Appearance	Off-white Powder	Complies
Specific Rotation (α) <sub>D</sub> 20	-32.5± 2.0° (C=1, H <sub>2</sub> O)	-31.5°
Residue on Ignition	≤1.0%	0.15%
Moisture Loss on Drying	≤1.0%	0.16%
pH (water solution)	5.5-6.5	Complies
Ethanol	≤3000 ppm	<10 ppm
Pesticide Residue	Meets USP35 <561>	Complies
Heavy Metals	≤10 ppm	≤10 ppm
Lead	≤1 ppm	≤1 ppm
Arsenic	≤1 ppm	≤1 ppm
Cadmium	≤0.1 ppm	≤0.1 ppm
Mercury	≤0.1 ppm	≤0.1 ppm
Aflatoxins	≤10 ppm	Negative
Total Plate Count	≤1000 cfu/g	550 cfu/g
E.Coli	Negative/10g	Complies
Salmonella	Negative/10g	Complies
Staphylococcus aureus	Negative/10g	Complies
Coliform	<10 cfu/g	Complies
Yeast and mold	<100 cfu/g	Complies

5-HTP should be stored at or below room temperature in a tightly sealed durable container.  
5-HTP should be protected from excess heat, direct sunlight, excess humidity and moisture.  
5-HTP has a stable shelf life of 2 years from the date of manufacture when properly stored.



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**5-HTP**

Product Name	5-HTP	Client Lot Number	05010261
Report Date	06/21/16	Laboratory #	7248

Test	Method	Result
Identification	H-NMR	Conforms
5-Hydroxytryptophan	HPLC	99.6%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	<0.001
Cadmium	ICP-MS	0.001
Lead	ICP-MS	0.127
Mercury	ICP-MS	0.013
Total Plate Count	AOAC 966.23	<10 CFU/g
Yeast and Mold	FDA BAM	<10/<10 CFU/g
Salmonella	AOAC 998.09	Negative
Coliform	AOAC 991.14	<10 CFU/g
E. Coli	AOAC 991.14	<10 CFU/g

Collin Thomas *CT*  
Laboratory Manager

06/21/2016 *6/21/16*  
Date

**<sup>1</sup>H NMR of 5-HTP**  
 In D2O  
 Lot # 7248  
 Colmaric Analytical  
 400 MHz  
 06-14-16

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Current Data Parameters
NAME: 0614-2016-colmaric
PROCNO: 1
Date_ Time: 20160614
PRG: 1
PROBHD: 5 mm PABBO-BB
PULPROG: zgpg30
AQ: 4.0000000
RG: 327.68
SI: 32
SF: 400.1464000
WDW: EM
SSB: 0
GB: 0
PC: 1.0000000
TC: 2.0000000
TE: 300.2
FIDRES: 0.128284 Hz
AQRES: 1.0000000 sec
RGRES: 0.0000000
SIRES: 1
SFO: 298.0 K
TOS: 2.0000000 sec
===== CHANNEL f1 =====
NUC1: 1H
P1: 11.0000000
PL1: -2.50
PR1: 15.0000000
SFO1: 400.1250000 MHz
F2 - Processing parameters
SI: 32768
SF: 400.125184 MHz
WDW: EM
  
```

