

**CONFIDENTIAL**



**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	CBD+ Power to Sleep		
<b>Product Code</b>	IN059521	<b>Lot</b>	B19006
<b>Date of Manufacturer</b>	7/3/2019	<b>Expiration Date</b>	7/2021
<b>Appearance</b>	Orange-brown	<b>Size/Shape</b>	16 Oblong
	<b>Claim</b>	<b>Result</b>	
<b>Average Fill Weight</b>	NLT 871.8 mg	898.7 mg	
<b>Date Received</b>	7/19/2019	<b>Date Completed</b>	7/25/2019

<b>Ingredient</b>	<b>Claim/Soft-Gel</b>	<b>Method</b>	<b>Result/Soft-Gel</b>
Calcium (as Calcium Citrate)	2.75 mg	AP-CHE-050	5.4 mg
Magnesium (as Magnesium Citrate)	3 mg	AP-CHE-050	4.8 mg
Flaxseed Oil (seed)	570 mg	By Input	581 mg
Full-Spectrum Hemp extract blend (stalks)	88.3 mg	By Input	98.83 mg
CBD (naturally occurring)	7.5 mg	HPLC	9.9 mg
Ashwagandha extract (4.5% withanolides)(root)	37.5 mg	By Input	49.5 mg
GABA (Gamma-Aminobutyric Acid)	25 mg	By Input	32.4 mg
L-Theanine	25 mg	AP-CHE-113	34 mg
Melatonin	0.5 mg	AP-CHE-083	0.62 mg
BioPerine Complex Comprised of: BioPerine® Black Pepper extract (95% piperine)(fruit), Ginger extract (5% gingerols)(rhizome)	1.5 mg	By Input	1.54 mg
	<b>Limit</b>	<b>Method</b>	<b>Result</b>
Maximum Tetrahydrocannabinol (THC)	<0.3%	HPLC	0.04%
Delta 9-THC	Report Result	HPLC	0.03%

**Other Ingredients:** Medium chain triglyceride oil, gelatin, purified water, glycerin, beeswax, soy lecithin, annatto (color) and titanium dioxide (color).

<b>Cannabinoid Profile*</b>	<b>Method</b>	<b>Result</b>
Cannabidiol (CBD)	UPLC-DAD	8.540%
Cannabidiolic Acid (CBDA)	UPLC-DAD	Not detected

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Cannabigerol (CBG)	UPLC-DAD	<1mg/g
Cannabinol (CBN)	UPLC-DAD	Not detected
Delta 9- Tetrahydrocannabinol (D9-THC)	UPLC-DAD	0.2550%
Delta 8- Tetrahydrocannabinol (D8- THC)	UPLC-DAD	Not detected
Cannabichromene (CBC)	UPLC-DAD	0.2919%
Tetrahydrocannabinolic acid (THCA)	UPLC-DAD	Not detected
Total Cannabinoids	UPLC-DAD	9.087%
Max THC (THC+ 0.877*THCA)	UPLC-DAD	0.2550%
Max CBD (CBD+ 0.877*CBDA)	UPLC-DAD	8.540%

	<b>Method</b>	<b>Result</b>
Residual Solvent*	HS-GC-MS/FID	Pass
Pesticides*	LC-MS/MS	Pass

<b>MICROBIOLOGICAL TESTS</b>	<b>LIMIT</b>	<b>RESULT</b>
Total Plate Count	<100000 CFU/g	Pass
Yeast and Mold	<1000 CFU/g	Pass
<b>SPECIFIED MICROORGANISMS</b>		
Escherichia coli	Negative/10g	Pass
Salmonella	Negative/10g	Pass
Staphylococcus aureus	Negative/10g	Pass

<b>Heavy Metals*</b>	<b>Method</b>	<b>Result</b>
Arsenic	ICP-MS	<Lower Limit of Quantification
Cadmium	ICP-MS	<Lower Limit of Quantification

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Lead	ICP-MS	0.0618 mcg/g	
Mercury	ICP-MS	<Lower Limit of Quantification	

\*Tests performed on Full Spectrum Hemp Extract blend (stalks). Date sample received 6/20/2019. Date of completion 6/21/2019 and 6/26/2019.

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