

## 分析報告書

Qreete 株式会社 御中

2024 年 7 月 27 日

ご依頼された CBN アイソレートの分析結果を報告いたします。指定薬物である THC は検出されませんでした。カンナビノイド以外の成分は測定していません。

成分名	分析種目	保持時間 (min)	結果	検出限界 (LOD)
CBN <sup>※1</sup>	定量	5.864	99.2 (w/w) %	0.0001 (w/w) %
$\Delta$ 9-THC <sup>※2</sup>	定性	6.9	ND <sup>※4</sup>	0.0001 (w/w) %
$\Delta$ 8-THC <sup>※3</sup>	定性	7.2	ND <sup>※4</sup>	0.0001 (w/w) %

※1CBN: Cannabinol, ※2 $\Delta$ 9-THC:  $\Delta$ 9-tetrahydrocannabinol, ※3 $\Delta$ 8-THC:  $\Delta$ 8-tetrahydrocannabinol,  
※4ND: Not detected (検出せず)

測定日：2024 年 7 月 27 日

検体：CBN アイソレート

検体の外観：白色結晶

測定場所：株式会社日本 CBD 分析センターラボ

測定機器：島津高速液体クロマトグラフ Nexera X2 (検出ユニット：SPD-20A) PDA 検出法

検出波長：228 nm



分析報告書発行元：

株式会社日本 CBD 分析センター

〒105-0001 東京都港区虎ノ門 4-3-20



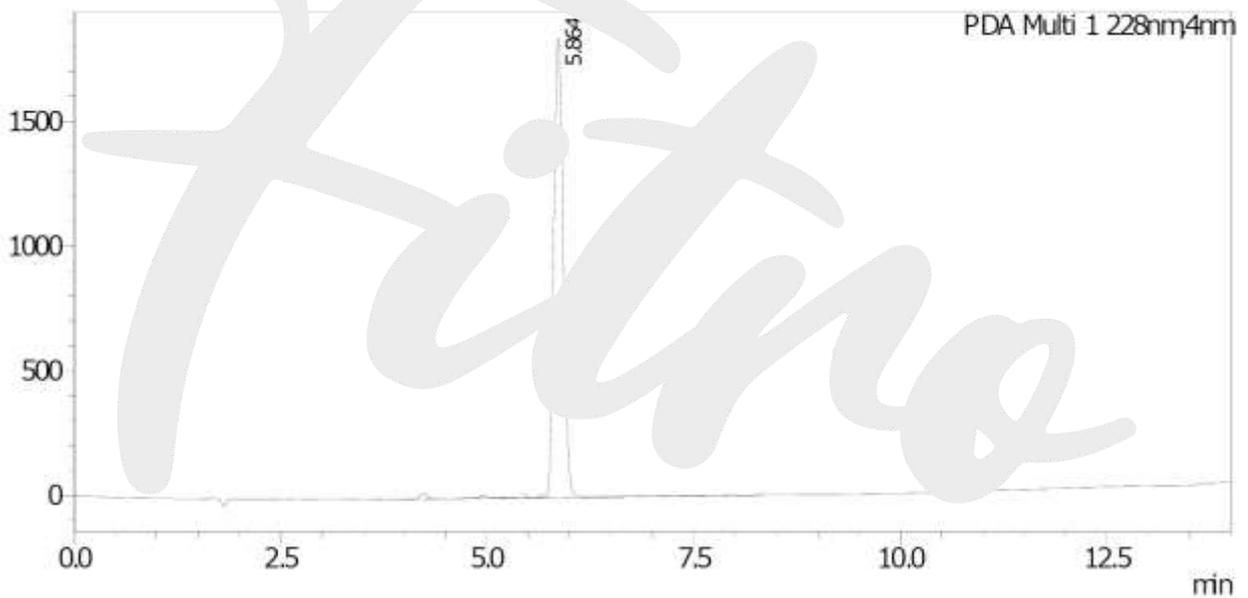


## <サンプル情報>

サンプル名	: CBD		
サンプルID	:		
データファイル	: 2024-07-27 CBN isolate-1.lcd		
メソッドファイル	: CBD20240509- CBD with PPM for PDA.lcm		
バッチファイル	:		
バイアル番号	: 1-1	サンプルタイプ	: 未知
注入量	: 1 $\mu$ L		
分析日時	: 2024/07/27 15:13:42	分析者	: Sugiyama
解析日時	: 2024/07/27 15:35:32	解析者	: Sugiyama

## <クロマトグラム>

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## TEST REPORT

Report No. RR 00X180/23 Rev 00

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<b>QC Request No. :</b> 000395/23 <b>Customer :</b> Siam Herbal Tech CO.,LTD 288/8 Moo 4, Bang Ya Phraek Muang – Samutsakorn Samutsakorn 74000  <b>Tel. :</b> +66 34 119 775 <b>E-mail :</b> info@siamherbaltech.com	<b>Sample No. :</b> 000395/23-1/1 <b>Sample Name :</b> D.R.CANN MEDICAL GRADE CBN ISOLATE <b>Batch no. :</b> 0805052301 <b>Mfd or Sampling date. :</b> 05 May 2023 <b>Exp. :</b> 04 May 2025 <b>Description :</b> Clear, white crystalline <b>Sampling amount :</b> 5 g
<b>Received Date :</b> 15 May 23	<b>Analytical Date :</b> 15 May 23
<b>Reported Date :</b> 26 Jun 23	



CANNABINOID RELATIVE CONCENTRATION				
Test item	Result	LOD	Units	Reference Method
<b>Total Cannabidiol (Total CBD)</b>	<b>0.53</b>	-	<b>%w/w</b>	Calculation from CBD total = CBD + (0.877 x CBDA)
Cannabidiol (CBD)	0.37	0.000013	%w/w	AOAC 2018.11
Cannabidiol Acid (CBD-A)	0.18	0.000005	%w/w	AOAC 2018.11
Cannabigerol (CBG)	0.39	0.000006	%w/w	AOAC 2018.11
Cannabinol (CBN)	98.59	0.000005	%w/w	AOAC 2018.11
Cannabicyclol Acid (CBL)	0.35	0.000025	%w/w	AOAC 2018.11
Cannabichromene (CBC)	0.28	0.000010	%w/w	AOAC 2018.11
<b>Total Tetrahydrocannabinol (Total THC)</b>	<b>Not detected</b>	-	<b>%w/w</b>	Calculation from THC total = Δ <sup>9</sup> -THC + (0.877 x THCA)
Delta-9-Tetrahydrocannabinol (Δ <sup>9</sup> -THC)	Not detected	0.000018	%w/w	AOAC 2018.11
Delta-8-Tetrahydrocannabinol (Δ <sup>8</sup> -THC)	Not detected	0.000019	%w/w	AOAC 2018.11
Tetrahydrocannabinolic acid (THC-A)	Not detected	0.000018	%w/w	AOAC 2018.11
Tetrahydrocannabivarin (THCV)	Not detected	0.000006	%w/w	AOAC 2018.11



MICROBIOLOGY			
Pathogen	Result	Units	Reference Method
Total Aerobic Microbial Count	5.0 × 10 <sup>2</sup>	cfu/g	BP2022 Appendix XVI
Total Yeast and Mold Count	< 10	cfu/g	BP2022 Appendix XVI
<i>Clostridium spp</i>	Not detected	cfu/g	BP2022 Appendix XVI
<i>Staphylococcus aureus</i>	Not detected	cfu/g	BP2022 Appendix XVI
<i>Pseudomonas aeruginosa</i>	Not detected	cfu/g	BP2022 Appendix XVI
<i>Escherichia coli</i>	Not detected	cfu/g	BP2022 Appendix XVI



### SUMMARY RESULT

#### POTENCY

• Total CBD	0.53 %w/w
• CBDV-A	0.19 %w/w
• CBD	0.37 %w/w
• CBD-A	0.18 %w/w
• CBG	0.39 %w/w
• CBN	98.59 %w/w
• CBL	0.35 %w/w
• CBC	0.28 %w/w



#### MICROBIOLOGY

• Total Aerobic Microbial Count	5.0 × 10 <sup>2</sup> cfu/g
• Total Yeast and Mold Count	< 10 cfu/g



#### HEAVY METALS

Not detected



#### MOISTURE CONTENT

0.42 %w/w



#### RESIDUAL SOLVENTS

Not detected



HEAVY METALS				
Element	Result	LOD	Units	Reference Method
Arsenic	Not detected	0.00012	ppm	USP 44 <232,233>
Cadmium	Not detected	0.00006	ppm	USP 44 <232,233>
Mercury	Not detected	0.00003	ppm	USP 44 <232,233>
Lead	Not detected	0.00010	ppm	USP 44 <232,233>



MOISTURE CONTENT			
Result	Units	Reference Method	
0.42	%w/w	USP 44 <731>	



RESIDUAL SOLVENTS			
Element	Result	Units	Reference Method
Ethanol	Not detected	ppm	USP 44 <467>
Pentane	Not detected	ppm	USP 44 <467>
Heptane	Not detected	ppm	USP 44 <467>

#### REMARK

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Siam Herbal Tech Lab guarantees the analytical result only the samples that have been sent for testing in laboratories.

-- End of Report --

*Puncha*

Mr.Puncha Khownual  
Quality Control Manager

Reported date : 26 Jun 23

*Manusnit*

Ms Manusnit Oupaichit  
Quality Management Director

Approved date : 26 Jun 23



## CERTIFICATE OF ANALYSIS

<b>Product</b>	: D.R. CANN MEDICAL GRADE CBN ISOLATE	<b>Manufacturing date</b>	: 05 May 2023
<b>Lot no.</b>	: 0805052301	<b>Expiry date</b>	: 04 May 2025
<b>Size</b>	: 1,000 grams	<b>Analysis date</b>	: 15 May 2023
<b>Package</b>	: Aluminium foil bag		

Test Item	Standard	Results
<b>Description</b>		
- Appearance	White or slightly off-white crystalline powder.	Passed
- Odor	No significant odor.	Passed
- Consistency	Fine-coarse powdered crystal.	Passed
- Solubility	Soluble in oils and ethanol.	Passed
<b>Moisture Content</b>	Not more than 10 %w/w	0.42 %w/w
<b>Assay</b>		
- Total Cannabinol (CBN)	90 - 110 %w/w	98.59 %w/w
- Total Tetrahydrocannabinol (THC)	Not more than 1 ppm	Not detected
<b>Heavy Metals</b>		
- Arsenic	Not more than 4 ppm	Not detected
- Cadmium	Not more than 0.3 ppm	Not detected
- Mercury	Not more than 0.5 ppm	Not detected
- Lead	Not more than 10 ppm	Not detected
<b>Microbiology</b>		
- Total Aerobic Microbial Count	Not more than 10 <sup>3</sup> cfu/g	5 x 10 <sup>2</sup> cfu/g
- Total Yeast and Mold Count	Not more than 10 <sup>2</sup> cfu/g	< 10 cfu/g
- <i>Clostridium spp.</i>	Not detected per g	Not detected
- <i>Staphylococcus aureus</i>	Not detected per g	Not detected
- <i>Pseudomonas aeruginosa</i>	Not detected per g	Not detected
- <i>Escherichia coli</i>	Not detected per g	Not detected
<b>Pesticides Residues</b>		
- Carbamate group	Not detected	Not detected
- Organochloride group	Not detected	Not detected
- Organophosphate group	Not detected	Not detected
- Pyrethroid group	Not detected	Not detected
<b>Residual Solvents</b>		
- Ethanol	Not more than 5,000 ppm	Not detected
- Pentane	Not more than 5,000 ppm	Not detected
- Heptane	Not more than 5,000 ppm	Not detected
<b>Net Weight</b>	Not less than the labelled weight.	1,000.15 grams
<b>CONCLUSION : PASSED TESTS</b>		

We certify that the above mentioned are true and genuine from all respects.

  
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Quality Management Director  
Approved date : 26 Jun 23