

Certificate of Blockchain Timestamp Verification

Strain Name: Blch-Rt-Coco

Sample Name: Blch-Rt-Coco-20240801

Registrant: Zamir Punja

Stamped FileName: [RSP13197_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: [a6c08c5f3cb00f9390fa8c9fd5b39fdf26b3538da5e792a42feb0be15a02ff2f](#)

OTS File: [RSP13197_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: [064142828422bb77f05a8c93038bda25b8874fb6660520255640ed5d601db023](#)

Block	Date	Transaction ID	Merkle Root	Verified	QR
869311	2024-11-07	00000000...1620490a	153db96f...6e47abc9	✓	
869320	2024-11-07	00000000...11126a1e	5bd48191...b0b5e116	✓	
869324	2024-11-07	00000000...a449d931	98a0ccb7...12d37df4	✓	
869333	2024-11-07	00000000...07c7ae23	700f6221...6c8ad13c	✓	

Success! Your file is blockchain-stamped

2024-11-07 21:28:39 UTC



OTS File Hex Contents (copy/paste friendly)

```
004f78656e54696d657374616d7073080850726f6e690bf99e2e884e892948108a6c08c5f3cb0f9390fa8c9fd5b39fd26b3538da5e792a42feb0be15a82ff2ff01007f1e751fcefe570904ced8661bf99b0808ff0102a8ec296a2ed112ba1609baf208ad35f08f0
20329902badfa70a13840fd4899bb57ff041f19662e705d121d3199dda151f105808f104672cd65af00894aa1f30c496a77a0803dfe30d2ef90c8e292088747470733a2f2f66096e6e65792e6361c656e64617220657465720e69747977616c6c2e036fdfff01072
bdf2a81a3379966b672beb277efa00f104672cd65af0085a0d99f1cd12d600083dfe30d2ef90c8e232208747470733a2f2f6274632e63616c656e64617220636174616c6c6170792e636fdfff0109c84096810c503cbf69c3df70ff23c308f104672cd65af008
2dbdad3819438e0c9883dfe30d2ef90c8e2c2b68747470733a2f2f6274632e63616c656e646172206f70656e74696d657374616d70732e6f7267f010c29d5e688ddfa82c1f831d9bae59070408f120e18d7a6b74d58b4c00dc23286219508d2399f62fc30
367a62c8ad208313667808f104672cd65af008645ce99d1c5983a60883dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e63616c656e646172206f70656e74696d657374616d70732e6f7267
```

What is this?

The OTS file detailed above can be downloaded with the provided link, but in the event that the OTS file is no longer available for download, it can be recreated using the above HEX textblock.

1. Copy/paste this into a text file, e.g., RSP13197_ots.hex
2. Convert this to an .ots file using a webserver:

https://tomeko.net/online_tools/hex_to_file.php

Alternatively, use the command line:

```
xxd -r -p RSP13197_ots.hex > RSP13197_blockchain.vcf.gz.ots
```

Example: Successfully Validated OpenTimestamps file

Using your stamped file and corresponding OTS file, validate at:

<https://opentimestamps.org/#stamp-and-verify>

This stamp verifies the file's existence at a specific point in time. Validation can be done independently of Medicinal Genomics® using open-source tools. The necessary OTS file to perform this validation can be recreated from this PDF. Medicinal Genomics® does not guarantee that the stamped file will be hosted on their servers indefinitely. Therefore, it is strongly recommended that owners download and securely retain their stamped files.

STAMP & VERIFY

↓

RSP13374_blockchain.vcf.gz.upgraded.ots 3.8 kB
Stamped SHA256 hash: cd0b4063920ace783fe9c86fe1a6afab3c75891a55bb3b4601b14d1cc246f272

↓

RSP13374_blockchain.vcf.gz 2.2 GB
SHA256: cd0b4063920ace783fe9c86fe1a6afab3c75891a55bb3b4601b14d1cc246f272

✓ SUCCESS!

Bitcoin block 894096 attests existence as of 2025-04-26 EST

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