

Certificate of Blockchain Timestamp Verification

Strain Name: Blch-Rt-RW

Sample Name: Elite-Seed-20240801

Registrant: Zamir Punja

Stamped FileName: [RSP13199_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: [3c77e14a2d85149a13fbf174a0409b3df994044a2a6875d0d71ec4d26bc96651](#)

OTS File: [RSP13199_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: [9aa45c032d8dda9a0a6b7ce412dd995421667645ce55029e93b75a6a85aa2d4e](#)

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)

```
004f78656e54606d657374616d7073080850726f6e60b0f99e2e884e8929481883c77c14a2d85149a13fuf174a0409b3df994044a2a6875d9d71ec4d26bc96651f81839275e0e45343b4d5d5df6f4d22c9c54e08fffb10418992a64d50212782c6cdcd478f77808f1
209c2a241a6c1f76174deb3834cae3ef8473b90d9da237cc36640981af6a8dfff5e08f120921874f533f059adcbf8deefb7ca6d4ac74239045c43c602615345a701b0bb0908f12072e0557e13cf8211aa1cd090bb7061e0390f0bd4980d93ba71dada3a22a4999806f0
207c00a68c7d908f0718a125853651af2508de74aaa2b3e06c58c39ec75c3c1f408f104672cd7e4f00891e5b15a631417f20983dfe30d2ef90c9e292868747470733a2f2f66696e6e65792e63616c656e6461722a657465726e99747977616c6c2e636f6dfff0104a
8b96de4c455b86d6233113b696295708f0208584b5e5c679946392277ed7feaa7e64c63a38d9a48a11133a8f2fe3ee8328208f02018c146072ecfd1015f71cc14847560dbac49c3fbdad1dd0b3093e46137bfe231508f0206baba8b352a28adf25bd1aa71d47829e
0a8a8bcc454578f63b476c6491bbb508f020234b1669dc6b935f8a650751e2bc8db47d207025a738347cb2c78c64f2f4e6e08f104672cd7e4f0089e8c7e39110fb7fb0883dfe30d2ef90c9e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70
656e74696d657374616d70732e6f72677ff010dd33769509de4067748ae70dfcd93b208f128ad5b36ee32b7f43d9b76a23268272c993d7d1b58c3da9f04b9b0489dd84bef108f104672cd7e4f00850c96f1d6258cc510083dfe30d2ef90c8e2e2d68747470733a2f
2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267f010e5f4d88422b885a218c325a363edba49208f020507df0b48bcf0828519a11b08bb1b944d617539c806459b040ea8ab2458211bb08f0203fed1ee5633572a08008b3
fb5587df670888d1fa45673409f60240d7f95c238a08f0209762a6446a2eaf8c49e37bfa302160d55744619a824057180297ed694ac4256608f0205ada1c1e8f0124f006306e251de368e5b52b0e8dfaba984591d72fe0dff7dec208f104672cd7e4f008a3830808d8
dc8a4c0083dfe30d2ef90c8e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6d
```

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., RSP13199_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 RSP13199_ots.hex > RSP13199_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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