

Certificate of Blockchain Timestamp Verification

Strain Name:

C4-7

Sample Name:

C4-7-Dried_20240925

Registrant:

Zamir Punja

Stamped FileName:

RSP13221_blockchain.vcf.gz



Stamped File SHA-256 Hash:

cf080e43be640d0342e04b452dd2f1757da372e2fcf0119d353d1e49455d635e

OTS File:

RSP13221_blockchain.vcf.gz.ots



OTS SHA-256 Hash:

b27f04afd5a1a1e90b88299e55b418dd8b63dea162b099b216a63d40581ba9ac

Block	Date	Transaction ID	Merkle Root	Verified	QR
869033	2024-11-05	00000000...7cf75dd7	b556659c...c3d84c89	✓	
869111	2024-11-06	00000000...f6651c41	63d89f62...8679b896	✓	

Success! Your file is blockchain-stamped

2024-11-06 11:58:39 UTC



OTS File Hex Contents (copy/paste friendly)

```
004ff79650e54606d657374616d7073000050726f66600bf99e2e884e892948108cf080e43be40d0342e04b452dd2f1757da372e2fcf0119d353d1e49455d635ef010196a24c11ce48356f088a0096a29017080ff01071ddba13d47f601263fab5520a09c4608f1
203f0b13dc0d0f8bdc0ba40dcb9f82205f261e76170320cf29aa5ee19076e0ec0b0f104672a6d42f008bd9627743df35a508083dfe30d2ef90c0e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6170792e636f6dfff01090ce4f247949d1
a1a0091be817294c7c08f120dd3f2c0f1902301060e9a49817c94753a08ff5d7ff2020eb5fafa36d70b2b2008f020fb97c547ff279b3bfbaef5e7b05edbf7f500ac63d59fa560126b0923929bd5ae00f104672a6d42f008f0d4af0e11b04e7e0083dfe30d2ef90c0e
2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267ff010a2096924a9c21992099c62b795a4804d08f104672a6d42f008322957701c221c0808083dfe30d2ef90c0e2c2b68747470733a2f2f626f62
2e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267ff010a2096924a9c21992099c62b795a4804d08f104672a6d42f008322957701c221c0808083dfe30d2ef90c0e2c2b68747470733a2f2f626f62
e30d2ef90c0e202868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977016c6c2e636f6d
```

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., RSP13221_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 RSP13221_ots.hex > RSP13221_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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