Certificate of Blockchain Timestamp Verification

Strain Name: Blch-Rt-RW

Sample Name: Blch-Rt-RW-20240801

Registrant: Zamir Punja

Stamped FileName: RSP13198_blockchain.vcf.gz

Stamped File SHA-256 Hash: `218fa1b1451d88496539bd99578eed3b5d6f6efdbd71ec34c853ba4beb8131aa`

OTS File: RSP13198_blockchain.vcf.gz.ots

OTS SHA-256 Hash: `38c116a7975d4dc1623728ebe713f8a80d948fd19a82f6445e75c575d8421bb4`

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

VALIDATED

OTS File Hex Contents (copy/paste friendly)

```
004f70656e54696d657374616d7073000050726f6f6600bf89e2e884e892940108218fa1b1451d88496539bd99578eed3b5d6f6efdbd71ec34c853ba4beb8131aaf010de7810d971f32d297d2e1b92849c058e08fff01029e5b18c7c591f2e3751beb2dcff2abc08f1
04672cd735f00893e8e251e9f955ce0083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fff0104058dfa18b8ce2d663614a9636171bc708f120f0b2ed13f323c25fb3884c62d50b
c1941436a1f4da053190e7d19a7ed4960ebb08f104672cd734f0080aa52e1e46f4cb8c0083dfe30d2ef90c8e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6dfff01069bc31d1161a935e1d7ba3a8265a894208f020c75d0d
d48229bc248efe9b869d33e8f438f0c57505a42f02d7858e80527406bf08f104672cd735f0081292dd61640ff2b50083dfe30d2ef90c8e2928687474707333a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6df010e76fa9ad79c5
59563f2fbf8a0166156b08f1206f1a27de3288600b7fcb2d0a5a30d3c0678747d58808f8282ccf69919c88fefc08f104672cd734f008195f39da2ea16cec0083dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74
696d657374616d70732e6f7267
```

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., RSP13198_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 RSP13198_ots.hex > RSP13198_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.

