Certificate of Blockchain Timestamp Verification

Strain Name: BCP Lf-MET

Sample Name: BCP Lf-MET-20240730

Registrant: Zamir Punja

Stamped FileName: RSP13190_blockchain.vcf.gz

Stamped File SHA-256 Hash: `31c8d9aa3a5d712d935ec3b93ca5705cfde1848ea578d197d7b2630b7a304f0c`

OTS File: RSP13190_blockchain.vcf.gz.ots

OTS SHA-256 Hash: `47699e17234be25a928efeedc871779105044a44d11767257204581118d09e19`

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)

```
004f70656e54696d657374616d7073000050726f6f6600bf89e2e884e89294010831c8d9aa3a5d712d935ec3b93ca5705cfde1848ea578d197d7b2630b7a304f0cf010469c2498f21ec55e6f104edea0ef7f2908fff01086b7d6c3302d72a00f6473cdccc055f908f0
206a265e712e17c138a110567165d09c061f3b89215d87a33825e67500cb6e1d5908f1208a94496e04e39e883834e0a075ae52b889361491a1a508182ec813ba4ffcfec008f020d03b6a1f79a21fa4ac53b82bc7381da4bbde617ff396731acd162d29a014df9008f0
2072324031bfec408df81f5adef3151036408885c7b229fdb39536ec090b9c291c08f104672cd67df0082c0f69160aca3f6c0083dfe30d2ef90c8e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6dfff010a2
61fbad09f40c5c7442613c298b22aa08f120d4556b8313fdb9a0371a27f201eaef82b41e5c786dd9d8ac31779ea9ba1432a308f0202af92a1987adfc9efe060abc63e1293b9e50a9b2259762b8971bb44baf7efbc708f020d1319c4b2e7ffc78346b3c0d30c56ea9d5
0a6c47decd62a4a9a0241345da964408f0203c0568a9c83d6de4fb07427ddeecb20ca4df4960a5722ef34c42d6b182fad1d008f104672cd67df008dd65eadaea3783b40083dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e
6f70656e74696d657374616d70732e6f7267fff010bb31acd76803439d9a6a6ca366d523d308f02053350146c2e748726bd8e49d9491edfd7c6246135af9c78ffe0769ae5229dd7908f12081b39260b1448470045241 5fd8ba5cb1a2c5504ad91888ad0e4b1c31a83
c0b308f104672cd67cf0087579d2efaefb413b0083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267f010be1b2802cd649f4ec8de90e924839f9f08f120a519fa20e719e905562753
f7f94148e63a353572b4e7127cc6acfa6ea40f868508f020e3032910c5777e83e61e5c0f3ec147df35b1b6dca4ebd85f95c8531ffeb2cf0f08f020f3ff8ac82486a7c3c10118039ee8095c23e8cd173fb5bbac933e73487c32c7b408f020e6bee1ddf79a6ff297f7cd
43d3e2b3eaf112ca92d07bbd0f427c64bd22b0fc5a08f104672cd67df008bc9ee225f5a572b70083dfe30d2ef90c8e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6d
```

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., RSP13190_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 RSP13190_ots.hex > RSP13190_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.

