

Certificate of Blockchain Timestamp Verification

Strain Name: A29-Rt-M-Rw

Sample Name: A29-Rt-M-Rw-20240730

Registrant: Zamir Punja

Stamped FileName: [RSP13188_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 51f7b2260c88327e5de28668fb8c8ee0e48b8866bbb59ff142c53086b6999f83

OTS File: [RSP13188_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 1f5bad4af12f085028be4b10cb2beac18bcab2c9893607c70e1c79fbb9403af8

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)

```
004f78656e54696d657374616d7073000050726f6e60b0f99e2e884e89294818851f7b2260c88327e5de28668fbc8ee0e48b886bb59ff142c53886b6999f83f8181570b6550ec976024185b96454356ca608fffe1079887bee8ba98f564240d7817f5f369908f0
202579ec5807b2f278e97c6fef368294b79a3c3f9dfc889992b52898c480e6b508f0207099b3f4cbdd1d31f5bd364a7f8ffc3d66efacd1d2920687ca5462a9a4bb671808f104672cd734f0085a3712a5e95d7f9b0083dfe30d2ef90c8e2c2b68747470733a2f2f62
6f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267ff61087062841b26d9acc698136efb11e96e308f104672cd733f00829b342d607969f09083dfe30d2ef90c8e2c2b68747470733a2f2f6274632e63616c656e6461722e636174
616c6e6178792e636f6dfff810f6a0c92acd9b1b182298a888dd2ff84808f1202e4c5d960bde34ab17726f9d8cd3f10b4867619082892a9a6eabede92f429fee08f104672cd733f00809be9256ea5a6286083dfe30d2ef90c8e2c2b68747470733a2f2f616c6e6365
2e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267ff6108f041df9dbf0b09fe7488bcb66d62374808f1202a2a3822e474439a1091c8e39aba111d01320bc707602aaf7970af26d5c7715508f0202456ff0cb040b4206f4f423be0606d6f83
7cbb91fcf8b995465d14bafbf104672cd734f00807c17c6695d00e9e0883dfe30d2ef90c8e2c2b68747470733a2f2f66696e6e65792e63616c656e6461722e657465726e09747977616c6e6c2e636f6d
```

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., RSP13188_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 RSP13188_ots.hex > RSP13188_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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