

Certificate of Blockchain Timestamp Verification

Strain Name: A29-St-M-Rw

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

Registrant: Zamir Punja

Stamped FileName: [RSP13189_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 5f669b20b829302e973567e1a6f76b860a4aa095af27a69bd7b19ca55e3e3352

OTS File: [RSP13189_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 31405322771c50d422fb5e39b5a670ce188e64e07caa63e9760a8a6a82e7bf30

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)

```
004f79656e54696d657374616d7073000050726f66600bf99e2e884e8929481085f660h20b820302e973567e1a6f7b0608e4aa095af27a60b07b19ca55e3e3352f019ccc2d1d188a77b44060a2d253ea3e56408fffb1017cfd6b15b40db3772df995097330d9108f1
2046e7a0e847b07181e8209730020f7bd260e0fca0e6f412b5412450cbecc2b74508f120b2e9e2994b0f18ff4c4603eb0b17b33ce1e63cb1b6e3fe0d154c16761a8f26208f0201849750f2ca9509a13c0abc3de733f7059f630568128f4c30b7862ce201d13f206f1
202ea908576d43cc33178107180e9c24855bdc091c2727c7fb9519e0cab05d9d108f104672cd723f0082932685ff1a2d9220803dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e03616c656e6461722e6f70656e74609d657374616d70732e6f72
67fff6181a4584965d4a079b2c80d4db33117708f0206127ac3f81ba409ca230a73c75e21b19ef3f87fe972ab5264407ebbb99f66dad08f0209683dc6a6b4e4e1aa07416759fcd557680b5a53498390b35177478817610c9e708f104672cd724f008a74d27dc7db7
7cba0083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fff010a626094e06d368b5e89715d9432bf2d908f120fc8645e76ca39c09c6da688be81c8d136f8dc05fad611417418e2
dec1e1c4ee08f12039121cd3fc476c3053e22014f4181cd8a3e0fd4c1c2eeb146717adb0f8b43cfe08f12036cc3127d61c2ea685f87c3bfa951c0ecf1abe18831a1e1979234ee63b6e0ad08f120b6aca948ac2e86b19b48feb4cf30e08ef04ee213b1a0cfa7b1a27
43911e04a808f104672cd723f00897864fd9acdb7fe60083dfe30d2ef90c8e232268747470733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6df010a752f7f8ff1d788c90c803251a451f4e08f020a2db113877d8ec2a6bfc506583bfa5649
1f866f951d7db71b6066375050cb0b08f104672cd724f008344fe5f895c718320803dfe30d2ef90c8e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6d
```

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., RSP13189_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 RSP13189_ots.hex > RSP13189_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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