

Certificate of Blockchain Timestamp Verification

Strain Name: A29-Lf-M-Rw

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

Registrant: Zamir Punja

Stamped FileName: [RSP13187_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: [d8ffecb8bfa37de5722bfdc3c7208895bcf4508729a6e7979331afab7fe7a45e](#)

OTS File: [RSP13187_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: [a5b77f535b4644158384ea1f014f09f5e1bca9ef54b5ac8c8694d3e233aaad82](#)

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)

```
004f79656e54696d657374616d7073000050726f66690bf99e2e884e892948108d8ffecb9bfa37de5722bfc3c7288995bcf4508729ae7979331afab7fe7a45ef8100d6baec1fb668c11ba86a9297eeba8508fffe101bc388ebd67c13ef41e43b065cd7fcf108f9
20c0bf52a6ce512479cb25816800d1bad79a5559fce222b83eefb5690a76f60ce08f6200a102ce9ca0e0a374750d4021029047a6de49ed912c93b8411eca5931ddfc3f308f104672cd6f8f088464955e3d72870060083dfc30d2ef90c9e2e2d68747470733a2f2f61
6c6963652e6274632e63616c656e6461722e6f770656e74696d657374616d70732e6f7267ffff01060918aff2816b962264c12720330621b08f1206da4c557a13bb16485b3284641e700e0da061506684fd1fdc9529071c6799a5f08f6204ce1e5b11643cc6c8a0352ca
3ce1329f7f9e806fb7e24057e476aa38a2b0f4908f104672cd6f8f088d39d727fbc7a2830883dfe30d2ef90c9e2c2b68747470733a2f2f2626f622e6274632e63616c656e6461722e6f770656e74696d657374616d70732e6f7267ffff010794e3afeb235c69a349909
1db21f4e7f9e8f020c063c9b27947f7f6992659ae0fa55c937a02f2f6bc20f9fb66f4a180d5aa242008f104672cd6f8f088d500784f29b03f60083dfe30d2ef90c9e232268747470733a2f2f26274632e63616c656e6461722e636174616c6c6178792e636fd6f010ff
7e250ed82be87b8b21c19128c38d2b08f120de7017a88569ae4214d919ae4654d08793ad0daaa638f45abf60638e7518fe08f104672cd6f7f90856898d9075f64d700083dfe30d2ef90c9e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465
726e69747977616c6c2e636fd
```

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., RSP13187_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 RSP13187_ots.hex > RSP13187_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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