

Certificate of Blockchain Timestamp Verification

Strain Name: Powdered Donuts

Sample Name: Powdered_Donuts_Fort-Stem_20241120

Registrant: Zamir Punja

Stamped FileName: [RSP13264_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 7de943b1acfa7e2bbd58161036c65da984c99539dc07f9b31d542b57e57a175f

OTS File: [RSP13264_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 42356e2ce080dd3496799456245b0de47222d610ee9b9fc1e206540906cdb9f1

Block	Date	Transaction ID	Merkle Root	Verified	QR
875352	2024-12-18	00000000...9a79d5b2	f6adeabf...0315a0c5	✓	
875353	2024-12-18	00000000...da83d397	d1b63ba3...a0f70181	✓	
875382	2024-12-19	00000000...6905ccb4	8c255405...182bbd2c	✓	
875392	2024-12-19	00000000...6e13bdf0	7d204afa...e75d6771	✓	

Success! Your file is blockchain-stamped

2024-12-19 04:43:32 UTC



OTS File Hex Contents (copy/paste friendly)

```
004f79656e54696d657374616d7073000050726f66000bf99e2e884e8929481087de943b1acf7e2bbd58161036c65da984c99539dc07f9b31d542b57e57a175ff010ca0ec9c523fd352bdd1c0259f689e74708fffe1092a5b6b1afaa420855aacf1a0bbbd65708f1
045763305cf0083537cdcf5ed7adb0083dfe30d2ef99c9e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70e56e74696d657374616d70732e6f7267ff0109f2005509eba333dbf64094bc5a8cde608f1046763305cf008b00a63e0ec1bc3fa
0083dfe30d2ef99c9e222268747470733a2f2f6274632e63616c656e6461722e636174616c6c6170792e636fdfff010c954c7b9e31cc03753d09ef6163b97e2308f1208aca272ac7b09ee363eb2f511c0609b586e922876313813d4b5a140c215b93fe08f104676330
5cf0085e64a688534e3946083dfe30d2ef99c9e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70e56e74696d657374616d70732e6f7267ff010c9ec161afcd51e4c8fb465270de41c108f12040e53fac50db4e70b1d5d87f5227a2bcde
9fd8a568651a0591dda457a5b638c808f1046763305cf0082a0c21c8631fb77a0883dfe30d2ef99c9e292868747470733a2f2f666696e6e65792e63616c656e6461722e657465726e09747977616c6c2e636fd
```

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., RSP13264_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 RSP13264_ots.hex > RSP13264_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

i