

Certificate of Blockchain Timestamp Verification

Strain Name: Powdered Donuts

Sample Name: Powdered_Donuts__AutoRS-Fort-Stem__20241120

Registrant: Zamir Punja

Stamped FileName: [RSP13268_blockchain.vcf.gz](#) 

Stamped File SHA-256 Hash: 331593b538b8ae851170e4b86962517e7b4ade7dd2c7b3d747879e009c82d30

OTS File: [RSP13268_blockchain.vcf.gz.ots](#) 

OTS SHA-256 Hash: 94cc73bad179c40ca70ea04fcd82ef6841189735ac92e7038b9248d419493a28

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)

```
004f79656e54696d657374616d7073000050726f66000bf99e2e884e892948108331593b538b8ae851170e4b86962517e7b4aade7dd2c7b3d747879e009c82d38f8102c2d76db830d4b722a8e72c9d02606509fffb10268ed42e814c8f2ed62b7162ef04162208f1
945763309cf00890b0be90bb40541a0083dfce30d2ef99c8e2c2b68747470733a2f2f628f622e8274832e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fffb109fa9f4636b0921967ab0c987e2025e35608f1046763309cf0085796a901548d09b4
0083dfe30d2ef99c8e222268747470733a2f2f6274632e63616c656e6461722e636174616c656e6178792e636f6dfff010b3dcefd5d17be9e7add2672aeaecc71c08f120b65f751041128cbb91a5dbc4465368cc62aa070f52deb42966dcd2f91275eb608f104676330
9df00869385712fd7477d0083dfe30d2ef99c8e2c2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fffb109ce8267cbf0baaf3541790824e795fcb208f120aee6ea9c87df2783e5edc5b232fb582dbf
bc737a26e35e3c505703335113969608f1046763309cf00871413dae10731fc50083dfe30d2ef99c8e292868747470733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6d
```

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., RSP13268_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 RSP13268_ots.hex > RSP13268_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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