

TrustlessMark Quick Reference Sheet – FCC v1

Verification Root: <https://verify.trustlessmark.org/fcc/>

Data Flow Overview

Lab / Certification Body → Cloudflare (/verify/fcc/certifications/) → Shopify Product Page → Google / Rich Results Each certification claim flows through a structured, verifiable data pipeline ensuring transparency from source to consumer.

Proof Object Anatomy (Example: usda-organic.json)

```
{ "@type": "Certificate", "claimType": "USDA Organic", "trustlessmark:signature":  
"https://verify.trustlessmark.org/fcc/certifications/usda-organic.sig", "trustlessmark:hashType": "SHA-256",  
"trustlessmark:issuedOn": "2025-10-24T20:00:00Z", "trustlessmark:validThrough": "2026-10-24T20:00:00Z" }
```

Verification & Renewal Checklist

Task	Command / Action	Expected Result
Verify proof file	curl -I https://verify.trustlessmark.org/fcc/certifications/usda-organic.json	HTTP 200 OK
Check signature	curl -I https://verify.trustlessmark.org/fcc/certifications/usda-organic.sig	HTTP 200 OK
Validate in browser	Visit same URL(s)	Visible JSON or signature text
Shopify validation	Inspect page source → JSON-LD section	trustlessmark:signature and hashType visible
Annual renewal	Replace outdated .sig and .json files	New proofs active (HTTP 200 OK)
Archive old proofs	Move to /verify/fcc/archive/YYYY/	Maintains audit history

Flying Circus Coffee – TrustlessMark Implementation / OCP-v1 – October 2025