

COMPLIANCE WORKING RECORD

Identifier checksum validator

Fictional sample. Requires tailoring and responsible review.

Document control

Field	Value
Document type	Identifier checksum validator
Document reference	39-identifier-checksum-validator
Jurisdiction	United States
Version	2026-10-08.dataset-utility.1
Status	Dataset review prepared
Prepared by	Customer prepared
Prepared on	October 8, 2026
Generated	October 8, 2026

Purpose and boundary

Check Luhn checksum arithmetic for exact digit strings while preserving identifiers and source rows.

Mechanical checks use customer-selected rules and exact source values. They do not authenticate records, establish a complete population, validate an identifier registry, approve an import, or determine compliance. Original files remain unchanged in this browser.

Method and exact sources

Method revision 2026-10-08.dataset-utility.1.

Starting at the rightmost check digit, double every second digit, subtract nine from doubled digits above nine, and require the sum to be divisible by ten. A passing checksum does not prove issuance or validity.

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Source	Filename	Bytes	SHA-256
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Source	Filename	Bytes	SHA-256
primary	fictional-primary.json	84	1d46cab7126c583fab412f9f891edd95c8826e862 bdd6a5b783d4a5ced1a8314

Frozen inputs

Field	Value
Identifier field	Identifier
Required identifier length	11

Review result

3 source-linked review rows. Passed: 1; Failed: 1; Unresolved: 1.

- Method revision 2026-10-08.dataset-utility.1.

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Measure	Value
Review rows	3
Passed	1
Failed	1
Unresolved	1

Source-linked checks

The formal report shows at most the first 100 review rows and 300 characters per displayed field. Complete values, result columns, sources and output are retained in the Excel and JSON files.

Reference	Result	Finding
2	Passed	Luhn arithmetic passes. Issuance and registry validity remain unknown.
3	Failed	Luhn checksum differs.
4	Unresolved	Identifier must use the selected number of exact digits.

Unresolved items and limitations

- 1 checks remain unresolved. Inspect the complete ledger.
- Mechanical checks use customer-selected rules and exact source values. They do not authenticate records, establish a complete population, validate an identifier registry, approve an import, or determine compliance. Original files remain unchanged in this browser.

Limitations

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Official sources

Source	Provision	Date	Link
RFC Editor: Common Format and MIME Type for Comma-Separated Values (CSV) Files	CSV record, field and quoting conventions. This source does not specify customer schemas, matching rules, checksum arithmetic, sampling quality or import acceptance.	October 8, 2026	https://www.rfc-editor.org/rfc/rfc4180
National Institute of Standards and Technology: Secure Hash Standard	SHA-256 digest specification for exact source-byte and delivered-file checks. It does not establish authenticity or validate the named review rules.	October 8, 2026	https://csrc.nist.gov/pubs/fips/180-4/upd1/final