US Equities OTC Security Master Guide

version 1.0.0 (Oct 2026)



CONTACT US

We are here to help you do great things with our market and reference data. For questions, feedback, and other concerns, you may reach our team of experts using the following contact information:

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REVISION SUMMARY

Effective Date	Version	Revision Type	Description
Oct 15, 2026	1.0.0	Release	An initial version of the dataset

INTRODUCTION

algoseek US Equity OTC Security Master provides comprehensive reference information on Over-the-Counter (OTC) securities. The dataset tracks the complete history of security attributes, including symbols, names, identifiers (ISIN, FIGI, LEI), company information, and trading status.

The OTC Security Master is an essential complement to market pricing data. It enables you to:

- Track symbol and name changes to understand the complete trading history of a security
- Identify company information and relationships between securities issued by the same company
- Cross-reference securities using multiple identifiers (ISIN, FIGI, LEI)
- Monitor trading status, including active, delisted, and halted securities
- Historical analysis with complete date ranges for all attribute changes

The dataset is based on the OTC Markets Compliance Data, supplemented with international security identifiers from Open FIGI and LEI mappings from GLEIF, and links securities using the FINRA Daily List.

Coverage: November 1, 2024, to present, with daily updates.

DATA SOURCE

algoseek US Equity OTC Security Master is built from several primary sources:

1. OTC Markets Compliance Data. The dataset is based on the OTC Markets Compliance Data feed published by OTC Markets Group, Compliance Data Products | OTC Markets. This data contains daily snapshots of all active securities trading on OTC markets, including:

- Security identifiers (Symbol, Name, Class, Type)
- Company information (Company Name, Company ID)
- Trading status and attributes

2. ISIN lookups. ISIN codes are obtained from the algoseek internal public sources using the OTC Tickers. This provides international security identifiers for use in global markets.

3. OpenFIGI. FIGI codes are obtained via the OpenFIGI API for cross-referencing with global identifier systems.

4. GLEIF Mapping. LEI codes (Legal Entity Identifiers) are mapped from ISIN codes using GLEIF ISIN-to-LEI Relationship files available from https://www.gleif.org/en/lei-data/lei-mapping.

5. US Equities OTC Corporate Actions. Related OTC securities, whose SecId changed due to corporate actions, are joined under ASID using the US Equities OTC Corporate Actions dataset.

Daily Updates run twice each trading day (~7 AM ET and ~10 PM ET) to capture changes to active securities. Updates process the OTC Markets Compliance Data published throughout the trading day to reflect intraday changes. ISIN, FIGI, and LEI identifiers data is updated only during the PM update. There are no updates on US market holidays.

KEY CONCEPTS

ASID (algoseek Security ID) is a unique identifier assigned by algoseek to track a security across its entire lifecycle, including symbol changes, name changes, and corporate actions. When a security changes its ticker symbol due to a corporate action or restructuring, it retains the same ASID, allowing seamless tracking across the security's history.

OTC SecId. The OTC Markets SecId is the unique identifier assigned by OTC Markets Group to each security. A single ASID may contain multiple OTC SecIds when securities are related through corporate actions (e.g., reverse splits, name changes). The dataset tracks all SecIds associated with each security, with their active date ranges.

Security Status Values. Each security has a status indicating its trading eligibility:

- A = Active, freely trading security
- S = SEC suspension
- H = FINRA halt
- I = Internal OTC Markets halt
- R = SEC revocation
- D = Delisted (security is no longer active)

Date Range Format. All changing attributes are tracked with date ranges in the format:
`value1;value2;value3`,
`yyyymmdd:yyyymmdd;yyyymmdd:yyyymmdd;yyyymmdd:29991231`
Where:

- Each value corresponds to a time period
- The date range format is `StartDate:EndDate` (both in `yyyymmdd` format)
- Multiple values/ranges are separated by a semicolon (";")
- An end date of `29991231` indicates the value is still active as of the latest update

Example: If a ticker changed from `ABC` to `XYZ` on `20260301`:
Ticker: `ABC;XYZ`
TickerDateRange: `20260101:20260228;20260301:29991231`

Empty Values. Empty values are treated as valid data and tracked with their own date ranges. For example, if a security lacks an ISIN code during a period, it is recorded as an empty string with an associated date range.

DATA ORGANIZATION AND FILE FORMAT

algoseek provides the OTC Security Master in a plain-text CSV file. The CSV file is gzip-compressed (having a .csv.gz extension). The first row of the CSV file is a fixed header, followed by rows of data corresponding to individual security data points.

File naming: eq_otc_sec_master.csv.gz

Record sorting: Records within a file are sorted by ASID

Table 1 presents the full list of data fields in the OTC Security Master File, with sample contents for a few ASIDs, with rows and columns inverted for the convenience of the document's display.

Table 1: Sample Data from OTC Security Master File

ASID	1210000000013015	1210000000014496
OTCSecId	213083;422751	256992;416579
OTCSecIdDateRange	20241101:20260515;20260518:29991231	20250130:20250218;20250219:20250304
OTCCompId	679489	662066
OTCCompIdDateRange	20241101:29991231	20250130:20250304
Ticker	WNFT;WNFTD;WNFT	KNWN;KNWND
TickerDateRange	20241101:20260515;20260518:20260612;20260615:29991231	20250130:20250218;20250219:20250304
SecurityName	WORLDWIDE NFT INC;WORLDWIDE NFT INC NEW;WORLDWIDE NFT INC	KNOW LABS INC;KNOW LABS INC NEW
SecurityNameDateRange	20241101:20260515;20260518:20260612;20260615:29991231	20250130:20250218;20250219:20250304
CompanyName	Worldwide NFT Inc.	Know Labs, Inc.
CompanyNameDateRange	20241101:29991231	20250130:20250304
SecurityClass		
SecurityClassDateRange	20241101:29991231	20250130:20250304
SecurityType	Common Stock	Common Stock
SecurityTypeDateRange	20241101:29991231	20250130:20250304
SecurityStatus	A	A;D
SecurityStatusDateRange	20241101:29991231	20250130:20250304;20250305:29991231
ISIN	US36190U2069;US36190U3059	US4992381032;US4992382022
ISINDateRange	20241101:20260515;20260518:29	20250130:20250218;20250219:20

	991231	250304
FIGI	;BBG0021CC094	;BBG000CB4621
FIGIDateRange	20241101:20260515;20260518:29991231	20250130:20250218;20250219:20250304
ShareClassFIGI	;BBG0021CC129	;BBG001SG4B84
ShareClassFIGIDateRange	20241101:20260515;20260518:29991231	20250130:20250218;20250219:20250304
LEI		549300D3FV73JB135D45
LEIDateRange	20241101:29991231	20250130:20250304

Table 2 provides the name, type, default value when data is absent, and description for each field (column) in the CSV file.

The "Missing" column indicates the default value when a field is not present or not applicable:

- **Never** — the field is always populated for all records in that format
- **Blank** — the field may be empty when not applicable to the event type

Table 2: CSV File Fields Schema

Field	Type (Format)	Missing	Description
ASID	integer	Never	algoseek unique security identifier
OTCSecId	string (secid1;secid2;...)	Never	List of OTC SecIds related to security structure separated by a semicolon “;” for multiple SecIds
OTCSecIdDateRange	string (yyyymmdd:yyyymmdd;…)	Never	Start and end dates for each OTC SecId. EndDate = 29991231 when the SecId is still being used
OTCCompId	string (compid1;compid2;...)	Never	List of OTC CompIds related to company structure separated by a semicolon “;” for multiple CompIds
OTCCompIdDateRange	string (yyyymmdd:yyyymmdd;…)	Never	Start and end dates for each OTC CompId. EndDate = 29991231 when the CompId is still being used
Ticker	string (tricker1; ticker2;…)	Blank	List of symbol names separated by a semicolon “;” for multiple symbols
TickerDateRange	string (yyyymmdd:yyyymmdd;…)	Never	Start and end dates for each ticker. EndDate = 29991231 when the ticker is still being used

SecurityName	string (name1; name2;…)	Never	List of security names separated by a semicolon “;” for multiple names
SecurityNameDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each security name. EndDate = 29991231 when the name is still being used
CompanyName	string (name1; name2;…)	Never	List of company names separated by a semicolon “;” for multiple names
CompanyNameDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each company name. EndDate = 29991231 when the name is still being used
SecurityClass	string	Blank	Security Class (e.g., A, B, C)
SecurityClassDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each security class. EndDate = 29991231 when the security class is still being used
SecurityType	string	Blank	Security Type (e.g., common, unit, warrant)
SecurityTypeDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each security type. EndDate = 29991231 when the security type is still being used
SecurityStatus	string	Never	Security Status (e.g., active, suspended, delisted)
SecurityStatusDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each security status. EndDate = 29991231 when the security status is still being used
ISIN	string (isin1; isin2;…)	Blank	List of security ISIN codes separated by a semicolon “;” for multiple ISINs
ISINDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each ISIN. EndDate = 29991231 when the ISIN is still being used
FIGI	string (figi1; figi2;…)	Blank	List of security composite FIGI codes separated by a semicolon “;” for multiple FIGIs
FIGIDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each FIGI. EndDate = 29991231 when the FIGI is still being used
ShareClassFIGI	string (figi1; figi2;…)	Blank	List of security global FIGI codes separated by a semicolon “;” for multiple FIGIs
ShareClassFIGIDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each FIGI. EndDate = 29991231 when the FIGI is still being used

LEI	string (lei1; lei2;…)	Blank	LEI code, a unique identifier assigned to a legal entity
LEIDateRange	string (yyyymmdd: yyyymmdd;…)	Never	Start and end dates for each LEI. EndDate = 29991231 when the LEI is still being used

APPENDIX A. FREQUENTLY ASKED QUESTIONS

What are OTC securities?

Over-the-Counter (OTC) securities are equity securities that are traded on OTC markets rather than listed on a national exchange such as the NYSE or NASDAQ. OTC markets include the OTC Bulletin Board (OTCBB) and Other OTC markets. These are regulated by FINRA, which maintains the OTC Equity Security Master that records all active OTC securities and their attributes.

What is an OTC SecId?

OTC SecId is the unique identifier assigned by OTC Markets Group to each security record. When a security undergoes certain corporate actions (like a reverse split), OTC Markets may assign a new SecId. The dataset tracks all SecIds related to the same ASID, allowing you to understand the relationship between the old and new identifiers.

What does an end date of 29991231 mean?

An end date of 29991231 (December 31, 2999) is a convention used to indicate "indefinite future" — meaning the value is still active as of the latest data update and has not ended. When a value changes, this end date is replaced with the actual end date.

How do I track a security that changed symbols?

Use the ASID to find the security record. Within that record, examine the Ticker and TickerDateRange fields to see all symbols the security has used and when each was active. All past and present tickers are preserved in the same record.

Why do I see multiple values in semicolon-separated fields?

Semicolon-separated values represent the complete history of an attribute across the time period covered by the dataset. Each value and its corresponding date range show when that value was active. This allows you to perform historical lookups — finding what a security's attributes were on any date in the past.