

Portfolio Risk Analysis Report

Report Date: February 24, 2026
Portfolio Size: 100 Assets
Analysis Period: 12 Months
Generated by: Automated Risk Analysis Pipeline

Risk Assessment Summary

HIGH RISK (RED): 11 Assets
MEDIUM RISK (YELLOW): 0 Assets
LOW RISK (GREEN): 89 Assets

Executive Summary

This report presents a comprehensive risk analysis of a portfolio containing 100 assets with a combined market capitalization of \$11193.2 billion. **Key Findings:** • 11 assets (11.0%) are rated as HIGH RISK (RED) • 0 assets (0.0%) are rated as MEDIUM RISK (YELLOW) • Average portfolio volatility: 44.3% • Maximum drawdown observed: -77.2% **Risk Concentration:** The analysis reveals significant risk concentration in 11 assets requiring immediate attention and potential portfolio rebalancing. **Sentiment Analysis:** • 4 RED-flagged assets show negative market sentiment • Average sentiment score for flagged assets: -0.288 • News coverage indicates heightened market concern for these positions

Portfolio Overview

Sector Allocation

Sector	Assets	Market Cap (\$B)	Percentage
Industrial	17	2136.41	19.1%
Technology	10	1657.92	14.8%
Healthcare	6	1500.55	13.4%
Consumer Discretionary	12	1115.74	10.0%
Energy	11	1107.60	9.9%
Real Estate	10	1102.27	9.8%
Financial Services	11	1029.32	9.2%
Utilities	10	809.07	7.2%
Consumer Staples	9	416.09	3.7%
Materials	4	318.24	2.8%

Risk Analysis Results

Risk Distribution:

- HIGH RISK (RED): 11 assets
- MEDIUM RISK (YELLOW): 0 assets
- LOW RISK (GREEN): 89 assets

High Risk Assets

Symbol	Sector	Risk Rating	Volatility	Max Drawdown	Risk Score
TWO	Industrial	RED	52.5%	-45.6%	6
CLU	Energy	RED	89.0%	-74.2%	5
PW	Energy	RED	56.3%	-45.7%	5
XLW	Industrial	RED	77.3%	-56.3%	4
VI	Utilities	RED	62.0%	-53.6%	3

DWH	Healthcare	RED	76.2%	-53.6%	3
RBL	Utilities	RED	136.0%	-70.5%	2
XS	Financial Services	RED	103.9%	-70.3%	2
ZBF	Industrial	RED	107.5%	-71.0%	2
DUYR	Energy	RED	87.3%	-57.1%	2
DK	Real Estate	RED	140.1%	-77.2%	2

Machine Learning Analysis

Advanced machine learning techniques were applied to identify anomalies and predict future risk ratings. **Anomaly Detection Summary:**

- Total Anomalies Detected: 15
- Critical Anomalies: 7
- High Risk Anomalies: 4
- Anomaly Rate: 15.0%

Risk Prediction Model:

- Model Accuracy: 100.0%
- Rating Changes Predicted: 0
- Assets Predicted to Deteriorate: 0
- Assets Predicted to Improve: 0

Key Machine Learning Insights

- 7 assets show critical anomalous behavior requiring immediate review
- Anomaly detection identified 15 assets with unusual patterns
- Key risk drivers: Max Drawdown, Volatility, Sharpe Ratio

Critical Anomalies Detected

Symbol	Sector	Anomaly Score	Severity	Recommendation
CLU	Energy	100.0	CRITICAL	Critical anomaly - Consider immediate po...
DK	Real Estate	99.8	CRITICAL	Critical anomaly - Consider immediate po...
XS	Financial Services	96.3	CRITICAL	Critical anomaly - Consider immediate po...
RBL	Utilities	92.2	CRITICAL	Critical anomaly - Consider immediate po...
ZBF	Industrial	87.9	CRITICAL	Critical anomaly - Consider immediate po...
DUYR	Energy	84.2	CRITICAL	Critical anomaly - Consider immediate po...
PW	Energy	80.9	CRITICAL	Critical anomaly - Consider immediate po...
TWO	Industrial	79.0	HIGH	Significant anomaly - Conduct thorough d...
XLW	Industrial	74.7	HIGH	Significant anomaly - Conduct thorough d...
DWH	Healthcare	73.7	HIGH	Significant anomaly - Conduct thorough d...

Top Risk Factors (Feature Importance)

- 1. Max Drawdown: 38.7% importance
- 2. Volatility: 30.5% importance
- 3. Sharpe Ratio: 17.5% importance
- 4. Price Change 6M: 4.1% importance
- 5. Volume Decline: 2.3% importance

ML Validation Results

Overall Validation Status: WARNING
Checks Passed: 3 / 4

✓ **Anomaly Detection Validation:** PASS
total_assets: 100, anomalies_detected: 15, anomaly_rate: 15.0
■ **Risk Prediction Validation:** WARNING
model_accuracy: 100.0, predictions_made: 100, rating_changes: 0
✓ **Feature Quality Validation:** PASS
features_checked: 9, nan_features: 0, total_samples: 100
✓ **Feature Importance Validation:** PASS
total_importance: 100.0, top_feature: Max Drawdown, top_importance: 38.7

Validation Warnings (1):
1. Suspiciously high accuracy: 100.0% (possible overfitting)

Sentiment Analysis

Sentiment analysis was conducted on 11 RED-flagged assets using financial news from the past 12 months. **Key Findings:**

- Average sentiment score: -0.288
- Assets with negative sentiment: 4/11
- Total news articles analyzed: 233

Sentiment Analysis Results

Symbol	Sentiment Score	Label	News Count	Trend	Key Themes
TWO	-0.457	NEGATIVE	16	IMPROVING	earnings, operations, regulatory
ZBF	-0.340	NEGATIVE	19	IMPROVING	earnings, regulatory, financial_health
VI	-0.338	NEGATIVE	19	STABLE	earnings, regulatory, financial_health
XLW	-0.336	NEGATIVE	18	DETERIORATING	regulatory, financial_health, earnings
DK	-0.267	NEUTRAL	25	DETERIORATING	earnings, regulatory, financial_health
DWH	-0.264	NEUTRAL	22	DETERIORATING	regulatory, earnings, operations
DUYR	-0.260	NEUTRAL	20	STABLE	regulatory, earnings, market_share
XS	-0.259	NEUTRAL	19	STABLE	operations, regulatory, management
RBL	-0.230	NEUTRAL	25	STABLE	regulatory, earnings, management
PW	-0.220	NEUTRAL	27	IMPROVING	earnings, operations, regulatory
CLU	-0.193	NEUTRAL	23	DETERIORATING	earnings, regulatory, financial_health

Detailed Asset Analysis

Asset: TWO

Sector: Industrial

Current Price: \$135.11

Market Cap: \$198.20B

Risk Rating: RED

Risk Metrics:

- Volatility: 52.5%
- Maximum Drawdown: -45.6%
- Beta: -0.04
- Sharpe Ratio: -0.50
- RSI: 29.5

Performance:

- 1-Month Return: -19.2%
- 3-Month Return: -40.3%
- 6-Month Return: -21.8%

Risk Flags:

• High Volatility, Extreme Drawdown, Severe Decline, Extended Decline, Poor Risk Return, Momentum Breakdown

Market Sentiment:

- Sentiment Score: -0.457 (NEGATIVE)
- News Articles: 16
- Trend: IMPROVING

Asset: CLU

Sector: Energy

Current Price: \$88.24

Market Cap: \$156.59B

Risk Rating: RED

Risk Metrics:

- Volatility: 89.0%
- Maximum Drawdown: -74.2%
- Beta: 0.32
- Sharpe Ratio: 0.65
- RSI: 15.2

Performance:

- 1-Month Return: -70.5%
- 3-Month Return: -63.5%
- 6-Month Return: -28.2%

Risk Flags:

• High Volatility, Extreme Drawdown, Severe Decline, Extended Decline, Momentum Breakdown

Market Sentiment:

- Sentiment Score: -0.193 (NEUTRAL)
- News Articles: 23
- Trend: DETERIORATING

Asset: PW

Sector: Energy

Current Price: \$57.88

Market Cap: \$100.81B

Risk Rating: RED

Risk Metrics:

- Volatility: 56.3%

- Maximum Drawdown: -45.7%
- Beta: 0.06
- Sharpe Ratio: -0.15
- RSI: 24.4

Performance:

- 1-Month Return: -18.4%
- 3-Month Return: -39.2%
- 6-Month Return: -40.0%

Risk Flags:

- High Volatility, Extreme Drawdown, Severe Decline, Extended Decline, Momentum Breakdown

Market Sentiment:

- Sentiment Score: -0.220 (NEUTRAL)
- News Articles: 27
- Trend: IMPROVING

Asset: XLW

Sector: Industrial

Current Price: \$84.01

Market Cap: \$118.66B

Risk Rating: RED

Risk Metrics:

- Volatility: 77.3%
- Maximum Drawdown: -56.3%
- Beta: -0.16
- Sharpe Ratio: -0.11
- RSI: 22.9

Performance:

- 1-Month Return: -53.1%
- 3-Month Return: -22.5%
- 6-Month Return: -26.8%

Risk Flags:

- High Volatility, Extreme Drawdown, Severe Decline, Momentum Breakdown

Market Sentiment:

- Sentiment Score: -0.336 (NEGATIVE)
- News Articles: 18
- Trend: DETERIORATING

Asset: VI

Sector: Utilities

Current Price: \$115.78

Market Cap: \$81.25B

Risk Rating: RED

Risk Metrics:

- Volatility: 62.0%
- Maximum Drawdown: -53.6%
- Beta: -0.00
- Sharpe Ratio: -0.21
- RSI: 21.7

Performance:

- 1-Month Return: -43.4%
- 3-Month Return: -7.4%
- 6-Month Return: -39.5%

Risk Flags:

- High Volatility, Extreme Drawdown, Severe Decline

Market Sentiment:

- Sentiment Score: -0.338 (NEGATIVE)
- News Articles: 19
- Trend: STABLE

Recommendations

Based on the comprehensive risk analysis, the following recommendations are provided:

Immediate Actions (RED-flagged assets):

1. Consider reducing position sizes for 11 high-risk assets
2. Implement stop-loss orders to limit further downside exposure
3. Review fundamental analysis for potential divestiture candidates
4. Monitor daily price movements and news flow closely

Medium-term Actions (YELLOW-flagged assets):

1. Conduct deeper due diligence on 0 medium-risk assets
2. Consider hedging strategies for positions with high volatility
3. Review correlation with overall portfolio risk
4. Set up enhanced monitoring and alerts

Portfolio-level Recommendations:

1. Diversify across sectors to reduce concentration risk
2. Consider alternative investments to reduce correlation
3. Implement systematic risk management framework
4. Schedule monthly portfolio risk reviews

Sentiment-based Actions:

1. Monitor news flow for 4 assets with negative sentiment
2. Consider contrarian opportunities if fundamentals remain strong
3. Assess impact of market sentiment on price movements
4. Review analyst coverage and institutional positioning

Appendix

Methodology

This risk analysis employs a four-stage pipeline methodology: **Stage 1 - Data Ingestion:** • Historical price data (252 trading days) • Trading volume information • Market capitalization data • Sector classifications **Stage 2 - Core Analysis:** • Volatility calculation (annualized) • Maximum drawdown analysis • Beta coefficient estimation • Risk-adjusted return metrics (Sharpe ratio) • Technical indicators (RSI) • Rule-based risk flagging system **Stage 3 - Sentiment Analysis:** • News article collection (12-month lookback) • Natural language processing for sentiment scoring • Trend analysis and confidence metrics • Key theme extraction **Stage 4 - Report Generation:** • Comprehensive risk assessment compilation • Visual data presentation • Actionable recommendations • Professional PDF report output

Risk Assessment Thresholds

RED Flag Thresholds: • Volatility > 40% (annualized) • Maximum drawdown < -20% • Volume decline > 50% • 1-month price decline > 15% **YELLOW Flag Thresholds:** • Volatility > 25% (annualized) • Maximum drawdown < -10% • Volume decline > 30% • Multiple warning indicators present **Sentiment Thresholds:** • Negative sentiment: Score < -0.3 • Positive sentiment: Score > 0.3 • Neutral sentiment: $-0.3 \leq \text{Score} \leq 0.3$

Report Generation Details:

- Generated: 2026-02-24 15:29:58
- Analysis Period: 12 months
- Total Assets Analyzed: 100
- Pipeline Version: 1.0

Test Data - Portfolio Details

Complete portfolio and risk analysis data has been exported to CSV files for further analysis:

Portfolio Data CSV: portfolio_data_20260224_152958.csv

Risk Analysis CSV: risk_analysis_20260224_152958.csv

The tables below provide summary information for quick reference.

Performance Metrics Data

Symbol	1M Return	3M Return	6M Return	Vol Decline	Sharpe Ratio
ABLM	0.9%	3.6%	7.6%	1.5%	0.58
ADJ	3.9%	3.4%	12.1%	-0.3%	0.68
AH	-1.1%	4.2%	7.9%	3.8%	0.44
AJYT	0.6%	4.5%	8.7%	-1.6%	0.59
ALVV	1.8%	2.0%	11.2%	0.7%	0.71
AOBY	2.1%	6.2%	8.6%	2.2%	0.61
AUJQ	2.9%	1.6%	5.2%	0.8%	0.49
BFED	-0.4%	4.6%	7.8%	0.2%	0.48
BQ	2.4%	5.2%	2.9%	2.1%	0.39
BUX	0.5%	1.3%	9.7%	0.5%	0.59
BZO	2.0%	1.9%	7.2%	-1.6%	0.55
CBNK	0.2%	4.0%	6.6%	3.7%	0.63
CDH	0.0%	1.7%	4.1%	0.1%	0.43
CJJ	-1.6%	6.1%	7.3%	2.2%	0.54
CLD	0.8%	1.6%	11.6%	1.7%	0.59
CLU	-70.5%	-63.5%	-28.2%	-7.1%	0.65
CPQ	3.1%	2.2%	13.0%	-1.3%	0.74
CPS	2.1%	5.6%	10.7%	0.4%	0.57
CS	0.5%	6.1%	9.2%	1.3%	0.73
CWLV	-0.7%	8.5%	13.5%	-1.0%	0.78
CY	1.7%	7.1%	9.1%	0.9%	0.72
DG	3.2%	2.5%	3.5%	0.7%	0.48
DIH	2.4%	2.0%	9.4%	0.7%	0.53
DK	148.9%	86.8%	49.9%	-3.4%	0.09
DO	1.4%	4.2%	12.2%	1.6%	0.75
DTO	2.8%	5.9%	7.3%	-0.9%	0.39
DUYR	31.0%	6.1%	-7.7%	-6.3%	0.21
DWH	-33.1%	1.2%	-15.9%	6.0%	-0.29
DYDY	2.8%	5.0%	12.2%	0.5%	0.65
GA	3.8%	3.3%	12.9%	3.9%	0.74

GDIN	3.4%	7.1%	11.3%	-1.6%	0.67
GRZ	0.6%	3.1%	9.0%	-0.4%	0.82
GVA	4.4%	5.1%	9.4%	-0.4%	0.57
GW	-0.6%	2.4%	5.9%	-0.3%	0.52
MJX	2.7%	5.2%	11.2%	0.5%	0.76
MNK	2.9%	2.4%	5.7%	2.2%	0.49
MQ	-0.9%	5.6%	10.8%	-1.7%	0.83
MUH	1.5%	3.8%	8.2%	2.1%	0.72
MWC	1.0%	2.8%	8.0%	2.1%	0.56
MXE	0.8%	0.7%	5.2%	3.9%	0.59
NBH	3.1%	7.9%	11.8%	-0.1%	0.76
NDQV	3.9%	1.2%	3.3%	0.7%	0.39
NGM	0.7%	2.7%	9.3%	0.3%	0.50
NH	2.7%	5.5%	10.0%	1.2%	0.71
NSO	1.1%	3.9%	11.2%	-0.4%	0.77
NTY	3.8%	2.9%	8.5%	-1.0%	0.54
NYB	-2.0%	2.2%	5.2%	0.7%	0.42
PIL	2.2%	5.7%	6.8%	2.8%	0.64
PJ	3.6%	2.3%	9.6%	1.8%	0.51
PLW	-0.7%	7.7%	10.3%	-0.7%	0.72
PMCD	0.1%	7.3%	12.8%	-3.1%	0.70
PQP	4.5%	7.1%	13.0%	1.7%	0.78
PW	-1.8%	6.1%	6.5%	1.2%	0.57
PW	0.5%	2.7%	5.0%	-0.0%	0.46
PW	-18.4%	-39.2%	-40.0%	-7.9%	-0.15
PWN	1.6%	4.1%	11.9%	2.5%	0.79
RBL	114.6%	82.4%	77.5%	10.8%	0.24
RC	1.5%	2.2%	4.4%	1.9%	0.42
ROY	0.0%	5.0%	5.0%	0.4%	0.48
RPI	1.1%	5.3%	9.2%	-0.6%	0.69
SB	1.4%	3.8%	10.1%	0.9%	0.64
SFLJ	1.9%	6.0%	8.3%	0.8%	0.70
SU	2.9%	5.8%	7.9%	-0.4%	0.65
SWNU	0.9%	5.2%	5.4%	2.5%	0.45
SX	1.2%	5.8%	5.6%	1.0%	0.52
TBC	0.6%	2.2%	7.1%	0.4%	0.74
TDKS	-1.8%	4.9%	8.9%	1.0%	0.44
TEH	-0.4%	4.8%	9.5%	-1.5%	0.52
TJY	0.7%	7.2%	9.1%	-1.3%	0.75
TOAG	4.4%	2.1%	9.6%	-0.4%	0.67
TU	1.4%	2.4%	11.5%	1.7%	0.72

TWO	-19.2%	-40.3%	-21.8%	5.8%	-0.50
TZPF	-0.7%	1.6%	10.9%	0.4%	0.57
VA	3.6%	4.7%	7.2%	1.8%	0.50
VI	-43.4%	-7.4%	-39.5%	4.6%	-0.21
VIM	1.8%	1.6%	11.2%	0.5%	0.65
VNL	2.1%	3.7%	12.4%	1.5%	0.60
VR	1.2%	4.5%	5.8%	-0.4%	0.53
VR	3.8%	4.5%	5.2%	2.8%	0.51
VSLD	1.3%	8.5%	11.3%	0.4%	0.87
XC	-0.9%	3.5%	10.3%	1.5%	0.76
XDT	0.5%	5.1%	13.3%	0.3%	0.75
XEK	-0.1%	8.3%	12.6%	1.8%	0.78
XH	3.5%	5.9%	7.3%	2.6%	0.58
XKZ	-0.2%	4.6%	3.9%	0.2%	0.53
XLW	-53.1%	-22.5%	-26.8%	-0.2%	-0.11
XNIT	2.9%	1.0%	5.5%	-0.5%	0.55
XS	155.5%	116.7%	99.0%	5.4%	0.23
XWY	3.6%	5.1%	8.6%	0.2%	0.76
XXH	3.3%	2.4%	6.5%	1.0%	0.54
XYCT	-0.3%	5.3%	5.0%	0.4%	0.51
XYL	-0.8%	2.1%	9.5%	-1.6%	0.64
ZBF	117.0%	97.2%	81.7%	1.3%	-0.01
ZEFE	2.4%	3.7%	5.0%	0.9%	0.49
ZGN	-1.3%	1.6%	10.6%	3.2%	0.61
ZK	2.3%	5.0%	8.9%	1.4%	0.58
ZNR	-0.4%	6.5%	10.5%	3.0%	0.75
ZTQ	1.4%	1.2%	9.4%	0.1%	0.60
ZTYZ	1.4%	2.7%	10.6%	0.4%	0.71
ZVVR	2.9%	3.1%	14.8%	1.3%	0.80

Risk Flags Details

Symbol	High Vol	Ext. DD	Vol Collapse	Severe Dec	Ext. Dec	Poor Sharpe	Mom. Break
TWO	✓	✓	✗	✓	✓	✓	✓
CLU	✓	✓	✗	✓	✓	✗	✓
PW	✓	✓	✗	✓	✓	✗	✓
XLW	✓	✓	✗	✓	✗	✗	✓
VI	✓	✓	✗	✓	✗	✗	✗
DWH	✓	✓	✗	✓	✗	✗	✗
RBL	✓	✓	✗	✗	✗	✗	✗

XS	✓	✓	✗	✗	✗	✗	✗
ZBF	✓	✓	✗	✗	✗	✗	✗
DUYR	✓	✓	✗	✗	✗	✗	✗
DK	✓	✓	✗	✗	✗	✗	✗
XH	✓	✗	✗	✗	✗	✗	✗
BZO	✓	✗	✗	✗	✗	✗	✗
GVA	✓	✗	✗	✗	✗	✗	✗
XDT	✓	✗	✗	✗	✗	✗	✗
NBH	✓	✗	✗	✗	✗	✗	✗
PQP	✓	✗	✗	✗	✗	✗	✗
XXH	✓	✗	✗	✗	✗	✗	✗
XNIT	✓	✗	✗	✗	✗	✗	✗
TEH	✓	✗	✗	✗	✗	✗	✗
ZNR	✓	✗	✗	✗	✗	✗	✗
TDKS	✓	✗	✗	✗	✗	✗	✗
XYCT	✓	✗	✗	✗	✗	✗	✗
CDH	✓	✗	✗	✗	✗	✗	✗
ROY	✓	✗	✗	✗	✗	✗	✗
VR	✓	✗	✗	✗	✗	✗	✗
NGM	✓	✗	✗	✗	✗	✗	✗
AOBY	✓	✗	✗	✗	✗	✗	✗
NH	✓	✗	✗	✗	✗	✗	✗
BQ	✓	✗	✗	✗	✗	✗	✗
DIH	✓	✗	✗	✗	✗	✗	✗
XYL	✗	✗	✗	✗	✗	✗	✗
VSLD	✗	✗	✗	✗	✗	✗	✗
AJYT	✗	✗	✗	✗	✗	✗	✗
MNK	✗	✗	✗	✗	✗	✗	✗
CY	✗	✗	✗	✗	✗	✗	✗
PWN	✗	✗	✗	✗	✗	✗	✗
SFLJ	✗	✗	✗	✗	✗	✗	✗
CLD	✗	✗	✗	✗	✗	✗	✗
NDQV	✗	✗	✗	✗	✗	✗	✗
TBC	✗	✗	✗	✗	✗	✗	✗
VIM	✗	✗	✗	✗	✗	✗	✗
ALVV	✗	✗	✗	✗	✗	✗	✗
AUJQ	✗	✗	✗	✗	✗	✗	✗
VNL	✗	✗	✗	✗	✗	✗	✗
CJJ	✗	✗	✗	✗	✗	✗	✗
XC	✗	✗	✗	✗	✗	✗	✗
SB	✗	✗	✗	✗	✗	✗	✗

RC	X	X	X	X	X	X	X
MXE	X	X	X	X	X	X	X
NSO	X	X	X	X	X	X	X
NTY	X	X	X	X	X	X	X
TOAG	X	X	X	X	X	X	X
SU	X	X	X	X	X	X	X
PW	X	X	X	X	X	X	X
GA	X	X	X	X	X	X	X
MWC	X	X	X	X	X	X	X
TZPF	X	X	X	X	X	X	X
RPI	X	X	X	X	X	X	X
CBNK	X	X	X	X	X	X	X
PW	X	X	X	X	X	X	X
SWNU	X	X	X	X	X	X	X
SX	X	X	X	X	X	X	X
PLW	X	X	X	X	X	X	X
DO	X	X	X	X	X	X	X
NYB	X	X	X	X	X	X	X
TJY	X	X	X	X	X	X	X
XEK	X	X	X	X	X	X	X
ADJ	X	X	X	X	X	X	X
PJ	X	X	X	X	X	X	X
ZEFE	X	X	X	X	X	X	X
ZTYZ	X	X	X	X	X	X	X
BUX	X	X	X	X	X	X	X
AH	X	X	X	X	X	X	X
XKZ	X	X	X	X	X	X	X
GRZ	X	X	X	X	X	X	X
CPQ	X	X	X	X	X	X	X
CWLV	X	X	X	X	X	X	X
ZTQ	X	X	X	X	X	X	X
CS	X	X	X	X	X	X	X
TU	X	X	X	X	X	X	X
GDIN	X	X	X	X	X	X	X
BFED	X	X	X	X	X	X	X
VR	X	X	X	X	X	X	X
ZGN	X	X	X	X	X	X	X
DG	X	X	X	X	X	X	X
DYDY	X	X	X	X	X	X	X
ZK	X	X	X	X	X	X	X
ZVVR	X	X	X	X	X	X	X

MJX	X	X	X	X	X	X	X
CPS	X	X	X	X	X	X	X
MUH	X	X	X	X	X	X	X
XWY	X	X	X	X	X	X	X
DTO	X	X	X	X	X	X	X
VA	X	X	X	X	X	X	X
GW	X	X	X	X	X	X	X
PMCD	X	X	X	X	X	X	X
MQ	X	X	X	X	X	X	X
PIL	X	X	X	X	X	X	X
ABLM	X	X	X	X	X	X	X

Data Summary:

- Total Assets: 100
- Data Generated: 2026-02-24 15:29:58
- Note: This test data is provided for further analysis, validation, and detailed review purposes.
- All metrics are calculated from 252 trading days of historical data.