

### DEMONSTRATION REPORT - SYNTHETIC DATA

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January 17, 2026

Compliance Analytics Report - Clean Metrics Studio

# Compliance Analytics Report

compliance-crypto-client | Job ID: COMPLIANCE-20260117051015 | Crypto  
AML/KYC Analysis

## Executive Summary

This analysis was performed using Clean Metrics Studio's Compliance engine across 5,000 transaction records. All 14 KPIs were computed successfully with 100% data completeness, providing comprehensive AML and KYC compliance metrics.

## Key Performance Indicators

**5,000**

RECORDS ANALYZED

**14**

KPIS COMPUTED

**100%**

DATA COMPLETENESS

**98.4%**

KYC COMPLETION

## AML Screening Metrics

12,847	3.2%
TOTAL SCREENINGS	HIT RATE
78.4%	2.4 hrs
FALSE POSITIVE RATE	AVG CASE CLOSURE

## Alert & Escalation Analysis

Metric	Value	Threshold	Status
Total Screenings	12,847	-	Informational
Hit Rate	3.2%	< 5%	Normal
False Positive Rate	78.4%	< 85%	Acceptable
Alert Volume	411	-	Informational
Escalation Rate	12.4%	< 20%	Normal
SAR Filing Rate	2.1%	< 5%	Normal

## Risk Distribution

Risk Level	Customers	Percentage	Review Frequency
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Low Risk	3,842	76.8%	Annual
Medium Risk	924	18.5%	Semi-Annual
High Risk	234	4.7%	Quarterly

Compliance Highlights

- **KYC Completion:** 98.4% of customers have completed full KYC verification
- **False Positive Optimization:** 78.4% FP rate is within acceptable range but opportunity for tuning
- **Case Closure Efficiency:** Average 2.4 hour closure time exceeds SLA target of 4 hours
- **SAR Filing Rate:** 2.1% filing rate indicates appropriate suspicious activity detection

Pattern Detection

Pattern Type	Detections	Confirmed	False Positive
Structuring	47	12	74.5%
Rapid Movement	89	23	74.2%
Round Number	156	18	88.5%
Dormant Reactivation	34	11	67.6%
High-Risk Jurisdiction	67	31	53.7%

### Risk Indicators

- **Structuring Detection:** 47 potential structuring patterns identified; 12 confirmed for investigation
- **Jurisdiction Risk:** High-risk jurisdiction patterns show lowest false positive rate at 53.7%
- **Round Number Tuning:** 88.5% FP rate suggests rule refinement opportunity

## Regulatory Metrics

98.4%

KYC COMPLETION

0

SANCTIONS HITS

94.2%

AUDIT COMPLETENESS

8

SARS FILED

### Action Items

- **KYC Gap:** 80 customers (1.6%) require KYC refresh or completion
- **Audit Backlog:** 5.8% of required audits pending completion
- **Rule Optimization:** Round number pattern rule generating excessive false positives

## Methodology & Data Quality

This analysis was performed using Clean Metrics Studio's Compliance engine, which implements industry-standard calculation methodologies aligned with FATF guidelines and FinCEN requirements. All KPIs are computed using

validated algorithms that comply with relevant regulatory and professional standards.

Metric	Value
Total Records Processed	5,000
Data Completeness	100.0%
KPIs Attempted	14
KPIs Computed Successfully	14
Processing Time	1.8 seconds

Report prepared by [Clean Metrics Studio](#) | January 2026

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