

# AI FRAUD DETECTION ANALYSIS REPORT

## EXECUTIVE SUMMARY

Report Date:	2025-10-14 11:58:40
File Analyzed:	test_tampered.jpg
File Type:	image
File Size:	52.1 KB
Analysis Type:	Image Analysis

## ANALYSIS RESULT

Status:	✓ NO FRAUD DETECTED
Confidence Score:	53.8%
Risk Level:	MEDIUM

## DETECTION TECHNIQUES APPLIED

- Error Level Analysis
- Metadata Analysis
- Copy-Move Detection
- Noise Analysis
- JPEG Compression Analysis
- Splicing Detection

## DETAILED FINDINGS

### *Finding #1: Noise Pattern Analysis*

**Description:** Inconsistent noise patterns detected. STD: 65.66, Mean: 29.11

**Confidence:** 67.7%

**Status:** ■■ SUSPICIOUS

## METADATA ANOMALIES

**Type:** Missing Metadata

**Severity:** MEDIUM

**Description:** Missing 5 expected EXIF tags

**Type:** Invalid Metadata

**Severity:** HIGH

**Description:** EXIF data is corrupted or invalid

## RECOMMENDATIONS

- ✓ No obvious signs of fraud detected in the preliminary analysis.
- However, this analysis does not guarantee 100% authenticity.
- For critical applications, consider additional verification methods.
- Maintain secure storage and handling of the document.
- Review metadata anomalies listed above - they may indicate manipulation.

**--- End of Report ---**

This report was automatically generated by AI Fraud Detection Agent v1.0  
For questions or concerns, please contact your security administrator.