

# AI FRAUD DETECTION ANALYSIS REPORT

## EXECUTIVE SUMMARY

Report Date:	2025-10-14 12:17:31
File Analyzed:	seedream-4-high-res-fal_Create_a_realistic_b.jpeg
File Type:	image
File Size:	3.97 MB
Analysis Type:	Image Analysis

## ANALYSIS RESULT

Status:	✓ NO FRAUD DETECTED
Confidence Score:	64.0%
Risk Level:	HIGH

## DETECTION TECHNIQUES APPLIED

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

## DETAILED FINDINGS

### *Finding #1: Error Level Analysis*

**Description:** Detected 1 regions with inconsistent compression levels. Max difference: 255.00

**Confidence:** 100.0%

**Status:** ■■ SUSPICIOUS

### *Finding #2: Noise Pattern Analysis*

**Description:** Inconsistent noise patterns detected. STD: 13.12, Mean: 7.65

**Confidence:** 51.5%

**Status:** ■■ SUSPICIOUS

### ***Finding #3: Splicing Detection***

**Description:** Lighting inconsistencies detected (CV: 0.647)

**Confidence:** 64.7%

**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.