

# AI FRAUD DETECTION ANALYSIS REPORT

## EXECUTIVE SUMMARY

Report Date:	2025-10-14 12:29:32
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:	■■ FRAUD DETECTED
Confidence Score:	80.7%
Risk Level:	CRITICAL

## DETECTION TECHNIQUES APPLIED

- Error Level Analysis
- Metadata Analysis
- Copy-Move Detection
- Noise Analysis
- JPEG Compression Analysis
- Splicing Detection
- AI-Generated Detection
- Frequency Domain Analysis

## 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

### ***Finding #4: Frequency Domain Analysis***

**Description:** Abnormal frequency patterns detected (editing/splicing indicators)

**Confidence:** 60.0%

**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

- ■■ IMMEDIATE ACTION REQUIRED: The analyzed document shows signs of tampering or forgery.
- Do NOT use this document for official purposes until verified by a forensic expert.
- Preserve the original file and all metadata for potential legal proceedings.
- Contact the document issuer to obtain a verified authentic copy.
- Consider reporting this incident to relevant authorities if fraud is suspected.
- 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.