

AI FRAUD DETECTION ANALYSIS REPORT

EXECUTIVE SUMMARY

Report Date:	2025-10-15 10:21:14
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%

Severity: MEDIUM

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.