PinIT Image Forensics & Risk Assessment Report

Prepared for: Insurance Claims & Fraud Investigation Team
Generated by: PinIT – Digital Intelligence Platform
Report Type: Digital Image Authenticity & Risk Analysis
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1. Executive Summary

PinIT analyzed the submitted claim image using image forensics, metadata intelligence, and tamper analysis.

High Fraud Risk | Authenticity Score: 52 / 100

Summary:
High likelihood of manipulation or post-processing; escalate for enhanced fraud review.

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2. Image Overview

Capture Method: Unknown / Standard Upload
User UUID Embedded: Not detected
Capture Integrity Status: ■■ Not Verifiable (no secure-capture UUID found)
• Image Type: JPEG/PNG (Detected)
• File Size: 7.99 MB
• Resolution: 3024 × 4032 pixels
• Color Space: RGB

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3. Image Authenticity Score

Authenticity Confidence Score: 52 / 100
Score Range | Interpretation
80–100 | Highly Authentic
60–79 | Partially Authentic / Medium Risk
40–59 | Suspicious
Below 40 | High Fraud Risk
PinIT Verdict: High Fraud Risk.

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4. Capture Encryption & Chain of Custody

PinIT Secure Capture ensures cryptographic integrity at the moment of image creation.
Chain of Custody Status: ■■ Not Verifiable (no secure-capture UUID found)

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5. Metadata Analysis Report

EXIF Present: False
Software Tag: Unknown
Date & Time (EXIF): Unknown
GPS Data Present: False
Metadata Integrity Score: 76 / 100

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6. Tampering & Manipulation Analysis

Methods: Error Level Analysis (ELA), compression inconsistency scoring.
ELA Mean: 6.69
ELA 95th Percentile: 20.0
Tampering Probability: 18%

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7. Duplicate & Reuse Image Check

Local similarity checks: Not implemented in this build (optional upgrade).
Recommendation: add reverse-image search API for web-scale matching.

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8. Geo & Timestamp Verification

GPS missing: Geo-verification limited; consider requiring location evidence.