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.

Highly Authentic | Authenticity Score: 90 / 100

Summary:
Image appears consistent with expected capture patterns; no strong manipulation indicators found.

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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: 0.86 MB
• Resolution: 3840 × 2160 pixels
• Color Space: RGB

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3. Image Authenticity Score

Authenticity Confidence Score: 90 / 100
Score Range | Interpretation
80–100 | Highly Authentic
60–79 | Partially Authentic / Medium Risk
40–59 | Suspicious
Below 40 | High Fraud Risk
PinIT Verdict: Highly Authentic.

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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: True
Software Tag: 26.1
Date & Time (EXIF): 2025:12:13 23:51:31
GPS Data Present: False
Metadata Integrity Score: 94 / 100

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6. Tampering & Manipulation Analysis

Methods: Error Level Analysis (ELA), compression inconsistency scoring.
ELA Mean: 2.95
ELA 95th Percentile: 10.0
Tampering Probability: 8%

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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