Forensic Image Comparison Report

Generated by Evidentix™ | 2026-07-22 18:44:39 UTC

FORENSIC VERDICT

High Confidence Match

1 File Identification

Suspect File	Sreenshot of Anna's Picture made smaller.jpg
Reference File	Sreenshot of Anna's Picture.jpg

SHA-256 Hashes

Suspect	`5a53227262d347bb11f67ee894a19ecf8eec421894012b31c1f82b66457f0921`
Reference	`92869b40352244c22fd279f81625bb7f3bec29dcfbcc6dfd590cf94dff76a7bc`

Perceptual Hashes (pHash)

Suspect	`bfbc42d3484c1e69`
Reference	`bfbc42d3484c1e69`

2 Comparison Metrics

SHA-256 Match	No Match
pHash Distance	0
Similarity Score	97.06%
Confidence Level	High Confidence Match

3 Forensic Conclusion

The submitted image is perceptually identical to the reference image based on perceptual hash comparison. The files are visually indistinguishable, consistent with the same image saved in a different format, resolution, or compression level.

A perceptual hash distance of zero indicates the images are visually identical. The difference in SHA-256 values is consistent with format conversion, recompression, or metadata changes rather than meaningful content alteration.

4 Observed Differences

Field / Note	Original → Suspect
	The files are not exact binary duplicates based on SHA-256 comparison.
	Metadata difference - Orientation: None -> 1
	EXIF difference - Orientation: None -> 1

5 Technical Methodology

This analysis applies a multi-factor forensic methodology combining: (1) Cryptographic hash comparison (SHA-256) for exact file identity; (2) Perceptual hash comparison (pHash) for visual similarity under encoding variations; (3) Structural Similarity Index (SSIM) for pixel-level image structure analysis; (4) Metadata and EXIF differential review. No single metric is determinative in isolation. Conclusions reflect the combined weight of all observed indicators.

6 Limitations & Scope

This report reflects a tool-assisted forensic comparison of the files submitted for analysis. It does not independently establish authorship, ownership, date of creation, or legal infringement. Metadata and EXIF values may be absent, modified, or stripped during export, upload, screenshotting, platform processing, or editing. The conclusions stated herein are limited to the files reviewed and the indicators observable from those files.

7 Reproducibility

All analysis steps are reproducible using identical input files within the Evidentix™ platform (evidenceanalyzer.com). Results may differ if input files have been further modified, re-encoded, or recompressed prior to resubmission.

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