

TECHNICAL INFORMATION
NinhydrinHT
Catalog No. NHT609

INTRODUCTION

NinhydrinHT overcomes a persistent problem facing criminalists—how to develop latent prints on carbonless and heat-transfer (thermal) papers. The standard Ninhydrin formulations have a common drawback. When they are applied to specialty papers like airline boarding passes, ATM and retail store receipts, they turn the paper purple or black—making it virtually impossible to visualize any latents present.

NinhydrinHT is a formulation using 3-M Novec Engineered Fluid, but with a new twist—this new formula is completely free of those staining reagents. Most standard formulas, including those that use Novec as a solvent, also require the use of acetic acid, ethyl acetate and/or ethyl alcohol, and it is this combination of compounds that discolor specialty papers. NHT609 will not cause inks to run and is much safer than most formulations. But that's not all, it has been successfully tested on standard papers as well. **NOTE: This product is non-flammable.**



PRECAUTIONS

- Before using this kit, consult the appropriate Material Safety Data Sheets (MSDS) found on our website at www.sirchie.com and click on MSDS.
- Use only with adequate ventilation, or a ducted or ductless spray hood.
- Wear latex gloves and eye protection.
- DO NOT apply heat of any kind to treated documents.
- Immediately after use, remove the spray head and reseal the bottle with the supplied cap.
- DO NOT use any sort of fixative after treatment, as most fixative formulations will darken the document.

USAGE

NOTE: This product should be used at room temperature or slightly lower.

1. Saturate the document to be examined with the reagent.
2. Allow to air-dry at room temperature for 24-48 hours.

To accelerate development, place treated documents in a high humidity climate. Placing the document in a zip-top bag with a wet paper towel (do not allow the towel to touch the document) or placing it in a fuming chamber with a cup of warm water may accomplish this. DO NOT apply steam or heat of any kind to treated documents.

EXAMPLE RESULTS

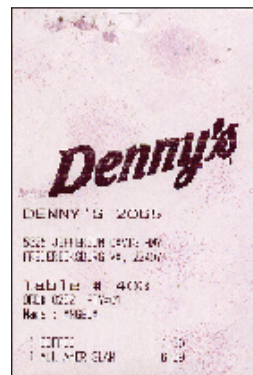
The following examples were achieved during our testing of NinhydrinHT. As stated earlier, even though this formula was developed for carbonless and heat-transfer (thermal) papers, NinhydrinHT has been successfully tested on standard papers as well.



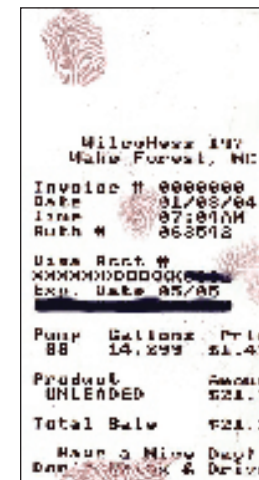
The part of the airline boarding pass sprayed with Special Formula Ninhydrin (NSI609) for prints turns black.



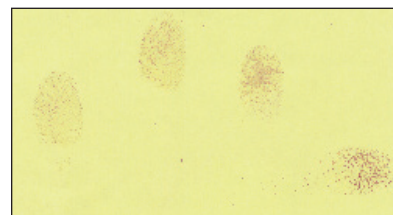
Airline boarding pass reveals an abundance of latent prints when sprayed with NinhydrinHT (NHT609).



Cash register receipt (left) developed visible prints when tested with NHT609 NinhydrinHT (close-up shown above).



This gas pump receipt revealed a number of latent prints when sprayed with NHT609 NinhydrinHT.



NinhydrinHT developed visible prints on carbonless paper.