

ID-find™

Easy-to-use Software for Substance Identification

works with Raman Systems spectrometers

FEATURES

- ❖ Build a personalized spectral database
- ❖ Raman Systems spectral database with thousands of materials
- ❖ Easy to use GUI for the non-expert
- ❖ One-touch data acquisition

APPLICATIONS

- ❖ Identify hazardous materials
- ❖ Identify unknown substances
- ❖ Anti-counterfeiting
- ❖ Incoming raw material inspection

A minimum number of controls and color coding provides instantaneous results recognition!

A green zone identifies one positive match.

The screenshot shows the ID-find interface with a green background. At the top, there are three buttons: SCAN (green), AUTO-SCAN (green), and LASER POWER (red). Below the buttons, a green banner reads "1 MATCH FOUND". The match details are: ACETIC ANHYDRIDE, HQI = 88.3, and 108-24-7. There is also a small NFPA diamond icon and an information icon. At the bottom, there are three buttons: TOOLS (blue), EXIT (red), and LOCK (yellow).

A yellow zone provides more than one match.

The screenshot shows the ID-find interface with a yellow background. At the top, there are three buttons: SCAN (green), AUTO-SCAN (green), and LASER POWER (red). Below the buttons, a yellow banner reads "MULTIPLE MATCHES FOUND". The first match is: HQI = 89%, CYCLOHEXANE, CAS 110-82-7, with a small NFPA diamond icon and an information icon. The second match is: HQI = 75%, TOLUENE. At the bottom, there are three buttons: TOOLS (blue), EXIT (red), and LOCK (yellow).

A red zone reveals that no match was found.

The screenshot shows the ID-find interface with a red background. At the top, there are three buttons: SCAN (green), AUTO-SCAN (green), and LASER POWER (red). Below the buttons, a red banner reads "NO MATCH FOUND" and "USE AUTO-SCAN TO TRY AGAIN". At the bottom, there are three buttons: TOOLS (blue), EXIT (red), and LOCK (yellow).

- ❖ Shows "Hit Quality Index" (HQI), the match confidence level.
- ❖ Displays chemical name, CAS number, and NFPA diamond.
- ❖ Includes **FREE** 50 chemical library

Raman Systems Spectral Library

A collection of 3500+ searchable Raman spectra (sold separately)

Order Codes:

- **LIB-001** for the PeakSeeker™ and PinPointer™ spectrometer systems
- **LIB-002** for the PeakSeeker Pro™ Model PRO-785 spectrometer system

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The **INFO** icon opens FEMA and NIOSH hazmat sheets for identified substances.

CYCLOHEXANE
UN 1142
Shipping Name: Cyclohexane
Other Names: Benzenehexahydride; Hexahydrobenzene; Hexamethylene

Hazards:
• Highly flammable
• Vapors are heavier than air and will collect and stay in low areas
• Vapors may travel long distances to ignition sources and flashback
• Vapors in confined areas (e.g., tanks, sewers, buildings) may explode when exposed to fire
• Container may BLEVE when exposed to fire
• Inhalation may irritate the respiratory tract
Response and Operational Level Training:
Response:
• Stop, prevent and control
• Collectible for control of the product
• Remove all sources of fire and deny entry
• For containers exposed to the roadway the area is all directions because of the risk of BLEVE
• Evacuate the immediate area and warn for a large release
• Notify local health and the officials and pollution control agencies
• If trapped or contaminated avoid waterways, roads, downstream users of potentially contaminated water
First Aid:
• Provide Basic Life Support (CPR) as needed
• Discontinue the victim's exposure
• Sit or remove and isolate contaminated clothing (including shoes) and wash skin with soap and large volumes of water for 15 minutes
• Eye: Wash eyes with large volumes of water or saline for 15 minutes
• Inhalation: Remove the victim to the fresh air
• Seek medical attention
• For skin burns: decontaminate with water and apply a clean-dry dressing
CAS: 110-82-7

NIOSH The National Institute for Occupational Safety and Health **CDC**
NIOSH Pocket Guide to Chemical Hazards

Cyclohexane CAS 110-82-7

Synonyms & Trade Names:
Hexane; Hexahydride; Hexahydrobenzene; Hexamethylene; Hexamethylbenzene
DOT ID & Guide: 1144; 128

Exposure Limits:
NIOSH REL: TWA: 300 ppm (1500 mg/m³)
OSHA PEL: TWA: 300 ppm (1500 mg/m³) [Conversion: 1 ppm = 3.84 mg/m³]

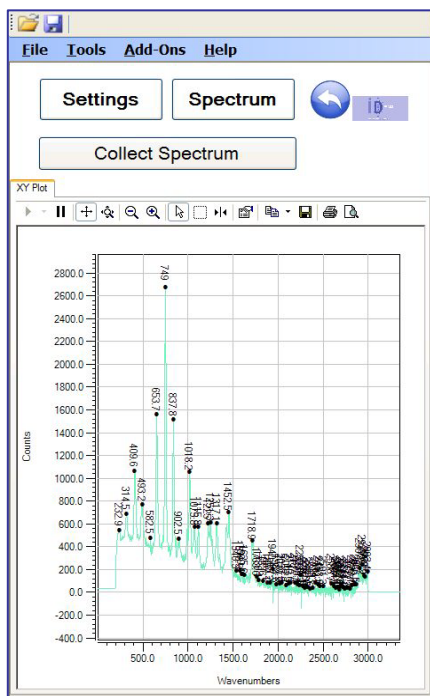
Physical Description:
Colorless liquid with a sweet, chloroform-like odor. (Note: A cold below 6°F.)
Mol. Wt.: 98.15
BP: 98.4°F [37.2°C] Std. Instability
V.P.: 78 mmHg
H.P.: 0.97
F.P.: 6°F
Class. B Flammable Liquid; H.P. below 23°F and BP at or above 100°F.

Personal Protection & Sanitation:
(See production)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin when contaminated
(Remove: When wet (flammable))
Change: No recommendation

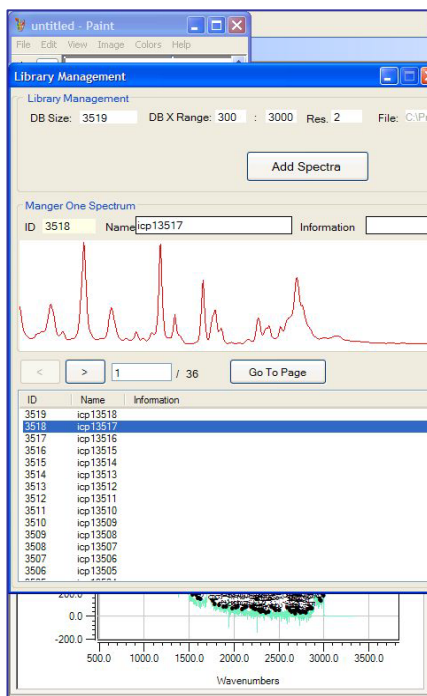


The **TOOLS** icon accesses the Raman spectroscopy behind the identification.

Spectral Analysis



Library Search Manager



Add-on Module
Sold separately

RSIQ-CFR
supports 21 CFR Part 11
cGMP electronic records

- ❖ Plot and view measured spectra
- ❖ Rename saved files and add notes
- ❖ Modify scan settings

- ❖ Plot and view library spectra
- ❖ Create libraries from measured spectra
- ❖ Add spectra to saved libraries

中文 Chinese language software available.

Specifications subject to change without notice.
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