

4G Handheld Raman Analyzer DTR6500

Features

Non-Destructive, Fast Detect & Identify, One-touch Operation;

Advanced algorithm, mixture detection;

HD 5.5" capacitive touch screen, smooth operation system;

double cameras of 13-mega plus 8-mega;

Barcode & QR scan

Precision GPS positioning;

Multiple modes of 4G, GPS, GPRS, Bluetooth, WIFI

Self-Built Spectral Library

Test results report export pdf

Built-in Li battery continuous operation 4-6hrs

Lightweight (450g), easy-to-take

IP-67 compliant



Application

Public Safety; Food Safety;

Hazardous detect at High Speed Train, Metro Entrance

APIs pharmaceutical raw materials, excipients;

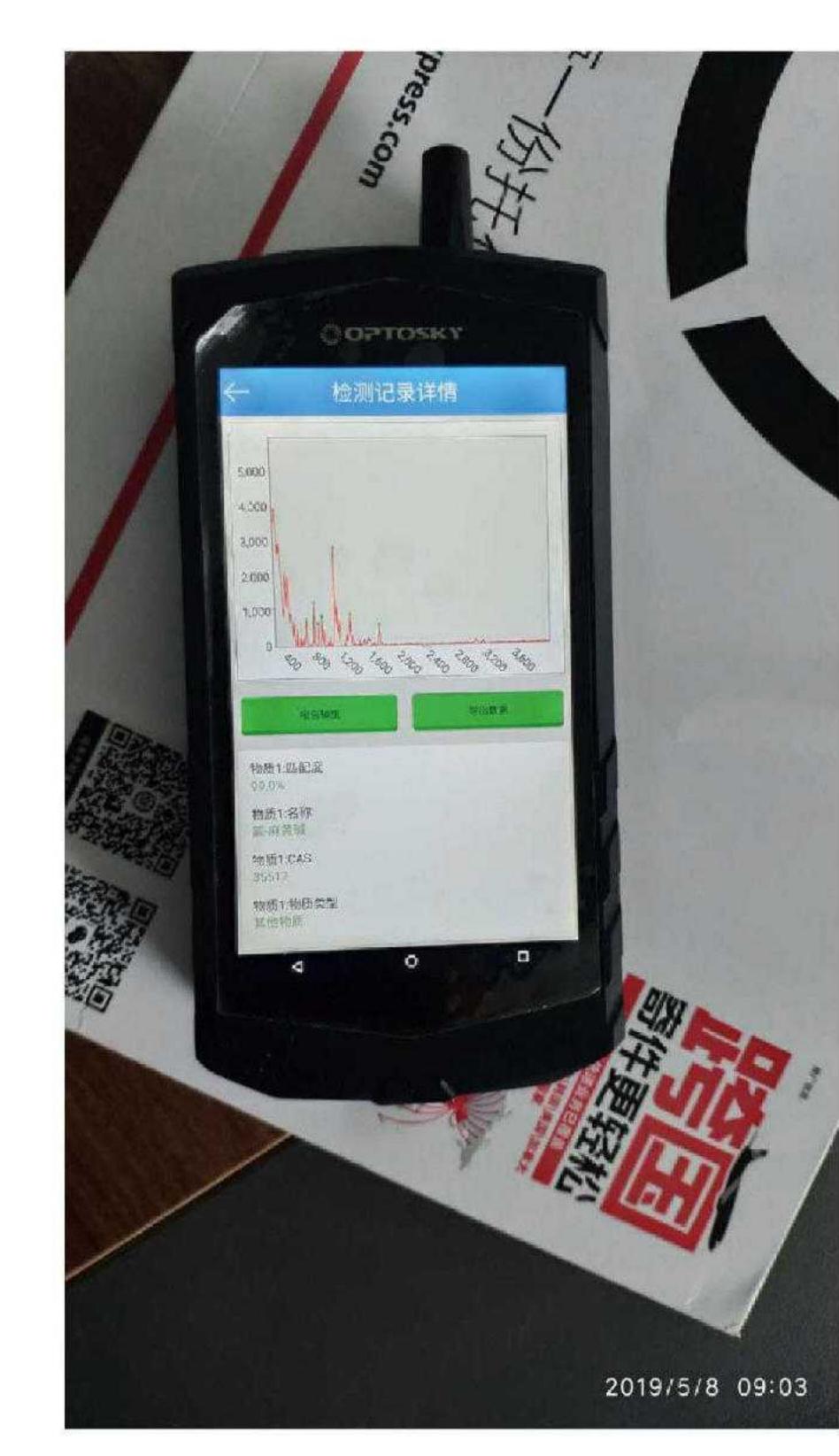
Gemstones & Materials ID, Mineral sorting

Experimental Research;

Antique authentication; Minerals Sorting;







5 DTR6500 pictures of narcotics ID in police station

Description

DTR6500CH is upgraded on the basis of DTR6500, and not only reserve the advantages of super thin, ultra-light, fast ID, but also make it rechargeable battery for field detection extending battery life. The toxic and hazardous gases alarm and readout altitude sensor.

Excellent spectral identification algorithm are embedded in Handheld Raman spectrometers to

easily identify substance, and enable users to add their own spectral data. It employs Android system, simple interface, 5.5" high definition screen, double cameras of 13-mega plus 8-mega taking evidence pictures in the field, multiple modes of inbuilt WIFI,Bluetooth, GPS etc.

Drawell provides full technical support and services, including spectral library building, method & verification, IQ/OQ/PQ validation etc.

Intelligent Mobile Available in Your Palm!



Parameters

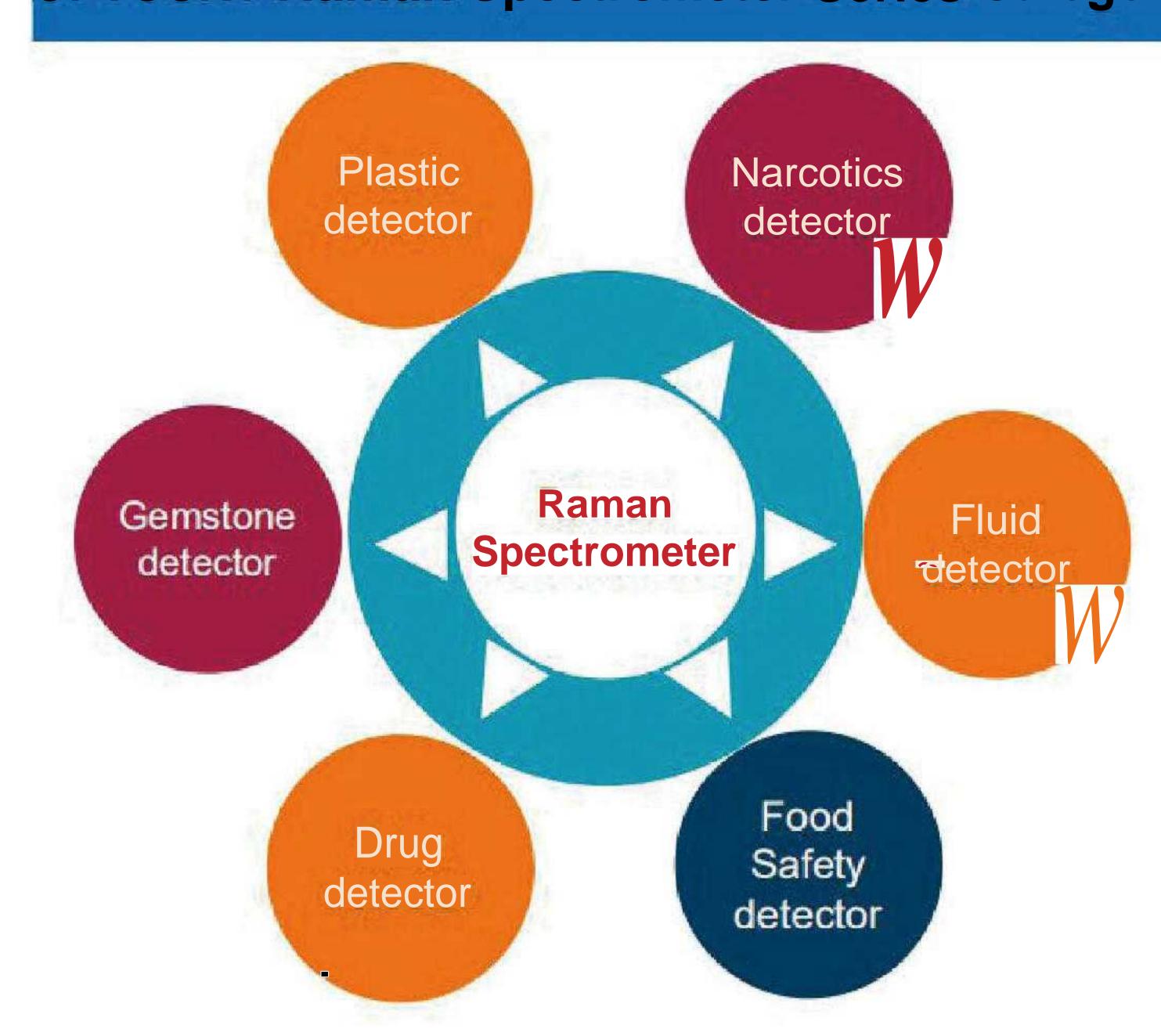
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|-----------------------|---|--|--|
| Operative System | Android | | |
| Excitation Wavelength | $785 \pm 0.5 nm$ | | |
| Wavenumber Range | 200-4000 cm-1 | | |
| Resolution | 10 cm-1 | | |
| Touch Screen | 5.5", 1920x1080, Multi-Touch | | |
| Size | 172x85x30 mm | | |
| Weight | 450g | | |
| Interface | WIFI, USB Type-C, Bluetooth, GSM | | |
| Export Report | Reports format pdf, csv, txt of detect results, spectra, evident pictures | | |
| Battery | 4-6 hrs, replaceable battery for unlimited battery life | | |
| Charging Type | USB Type-C | | |
| Operating Temperature | -20 - 50°C | | |

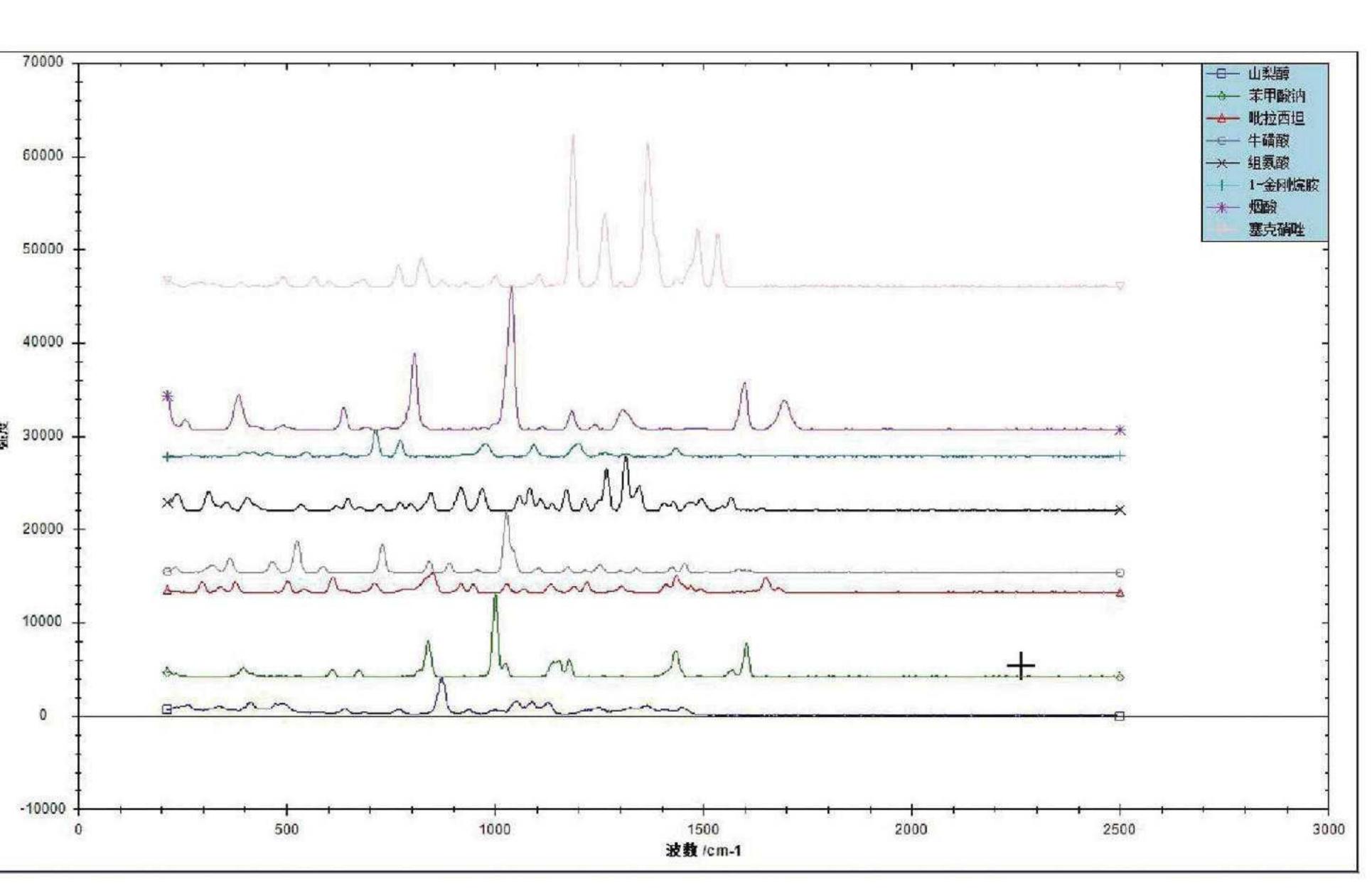
| | | | Application |
|-----------------------|-----------|---|---|
| | DTR6500 | Self-Built Database | Scientific Research |
| Model with Library | DTR6500DH | Pharmaceutical drugs: Heroin, Cocaine, Metamfetamine, Ketamin Precursor: (-)-ephedrine, Chloroform, Diethyl ether Explosives: TNT,RDX,TATP, Ammonium nitrate Hazmat: sulfate, gasoline, nitric acid, Toluene Food safety: Illegal food additives, residues of pesticide, veterinary drugs | Police Customs Metro Court Prison Public Safety |
| | DTR6500PH | Pharmaceutical raw materials, APIs, excipients | Pharmaceutical Factory |
| | DTR6500GM | Gemstones of Diamond, Agate, Emerald | Gemstones |
| | DTR6500IN | Chemical products, Plastics, Rubber, Polymer, Compound | Industrial Application |

OPTOSKY Raman Spectrometer Series Categories

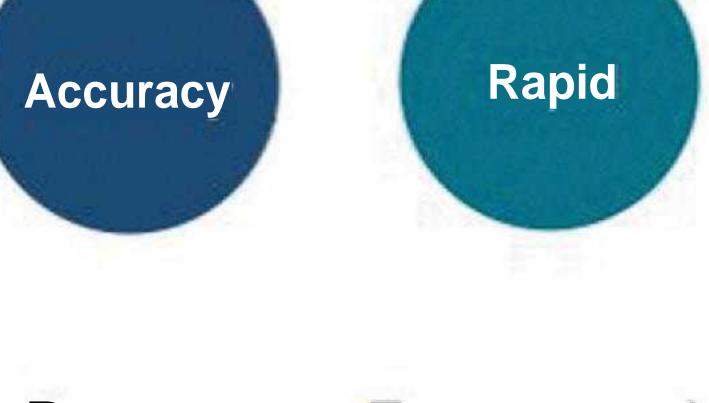
Advantages of Raman Spectrometer

Raman Application & Advantages





DTR6500 measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole







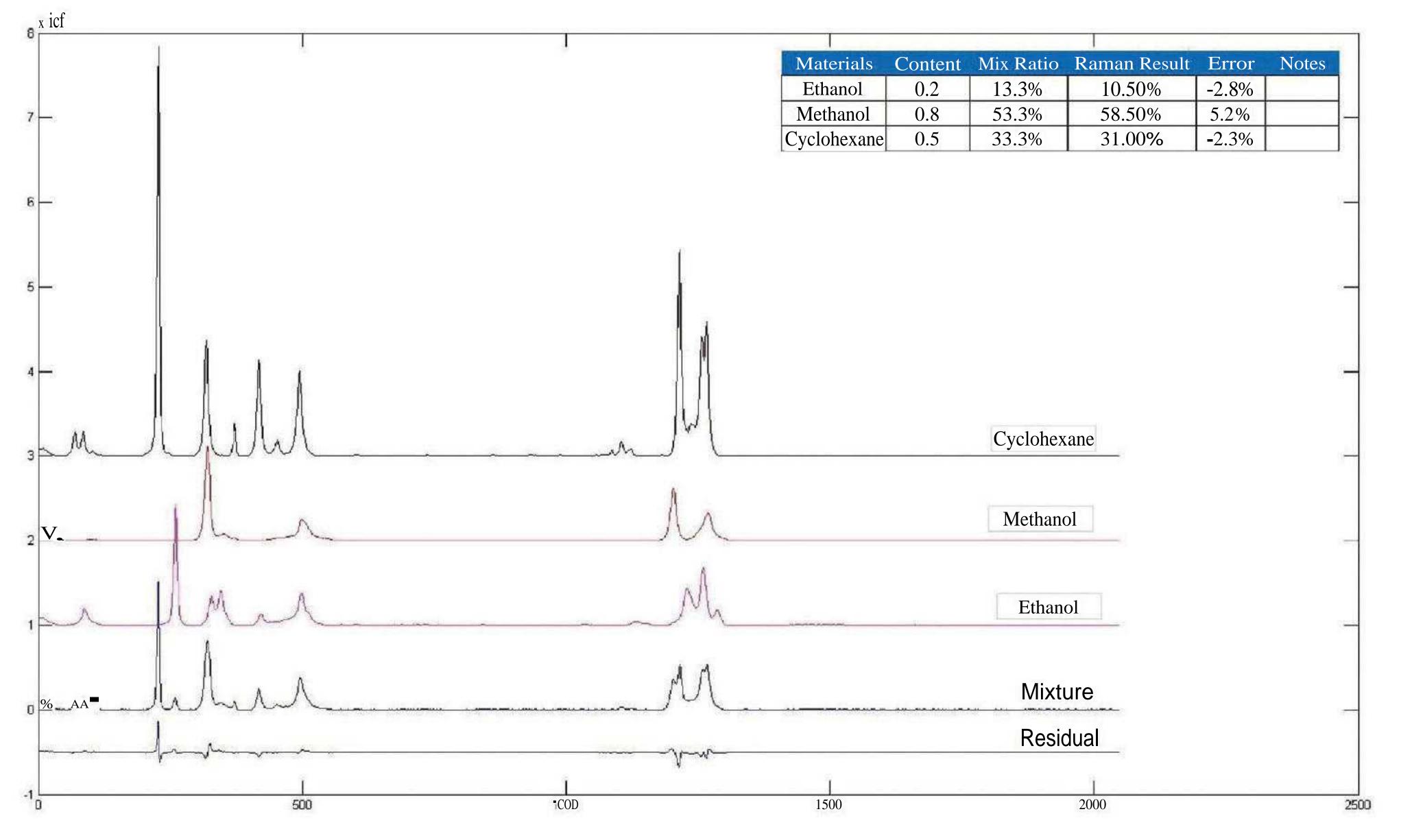


Raman Spectra Is material fingerprint

Weak laser Few second exposure free damage

Free consumable materials





DTR6500 Mixture Spectra