

# 5G Handheld Raman Analyzer DTR6500CH

## Features

Replaceable Battery for unlimited life span;

Various toxic and hazardous gases Alarm;

Built-in altitude sensor read out;

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 (480g), easy-to-take

IP-66 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;

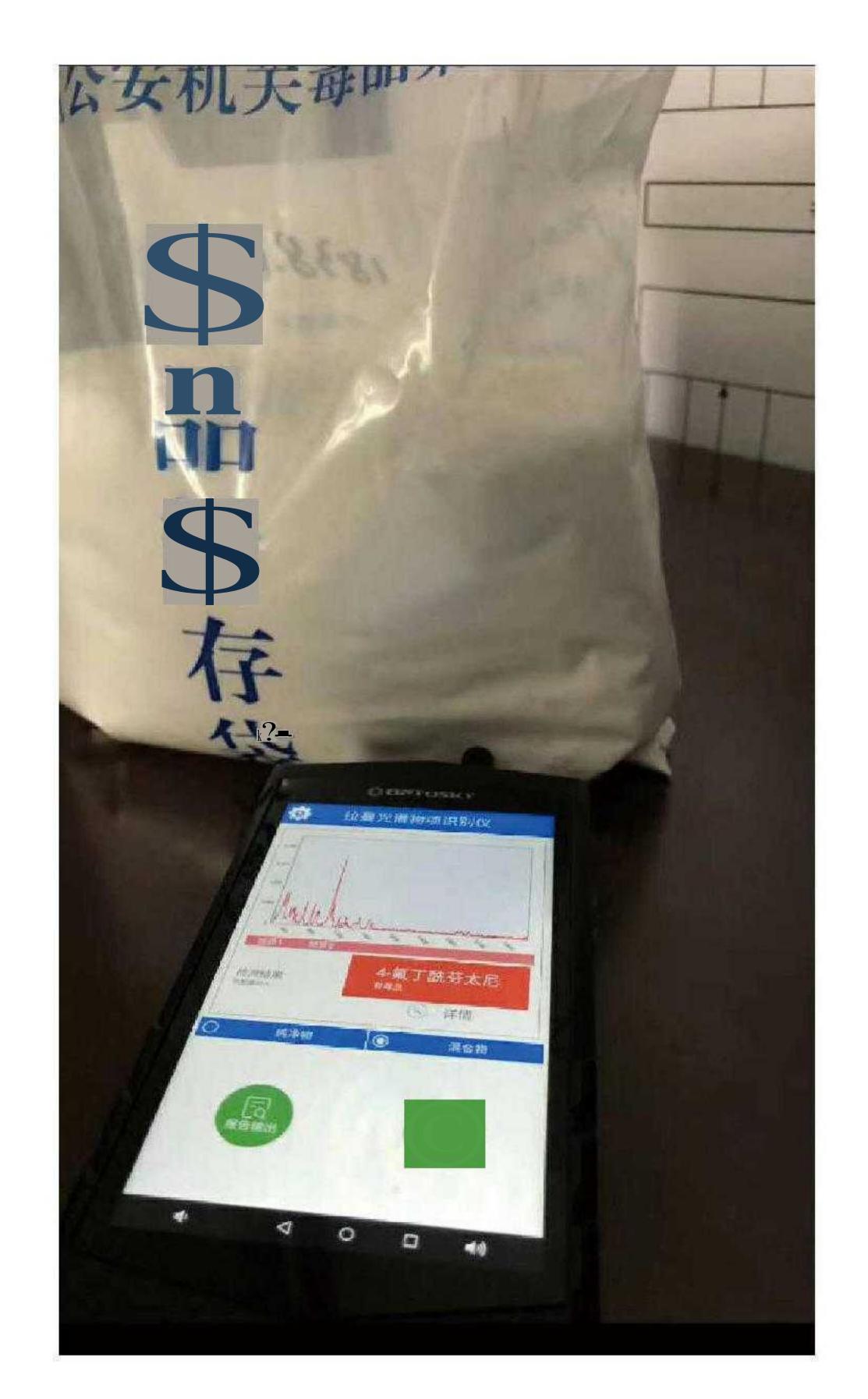
Minerals Sorting;



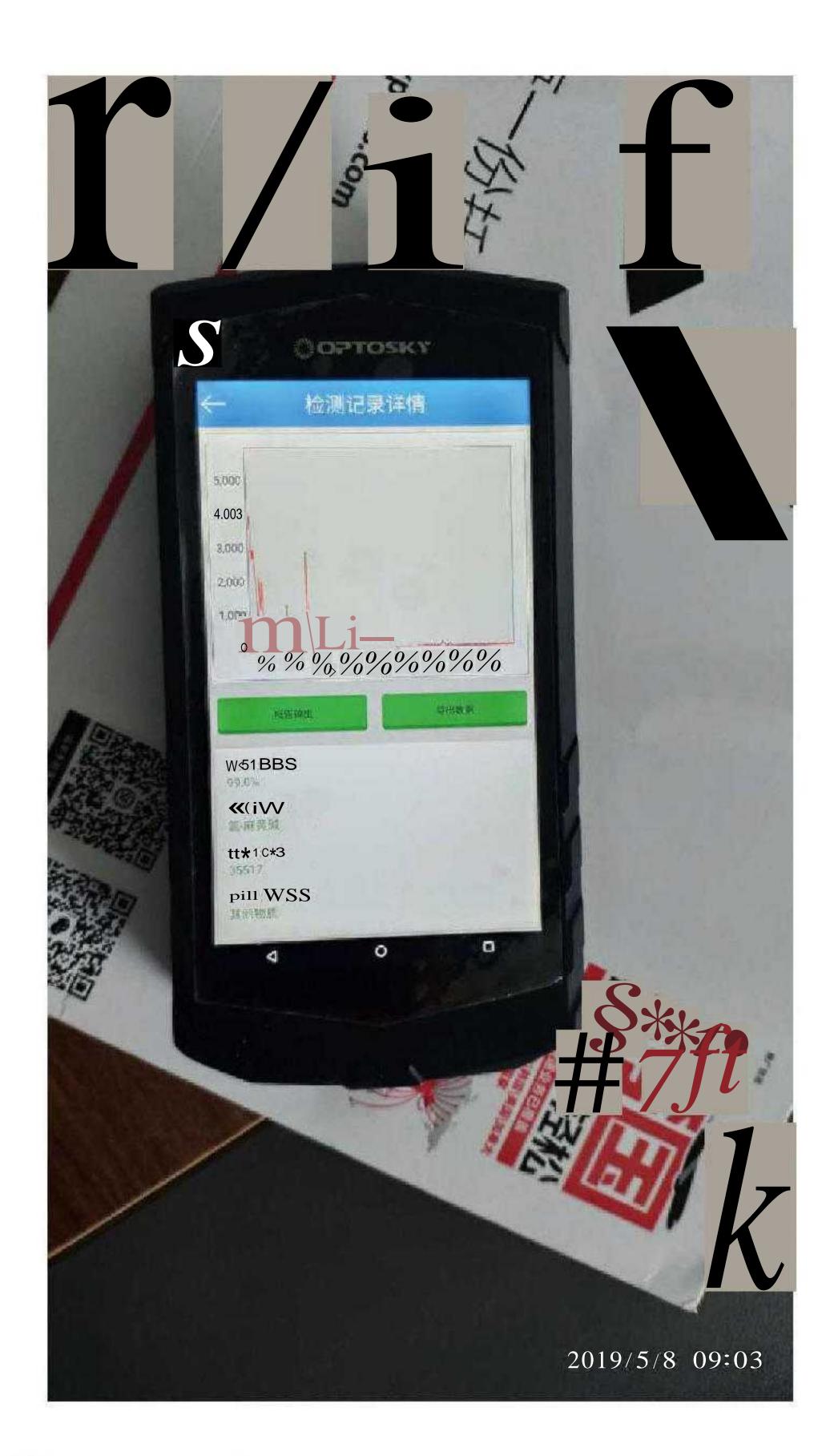
#### Description

◆ 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.







DTR6500CH pictures of narcotics ID in police station

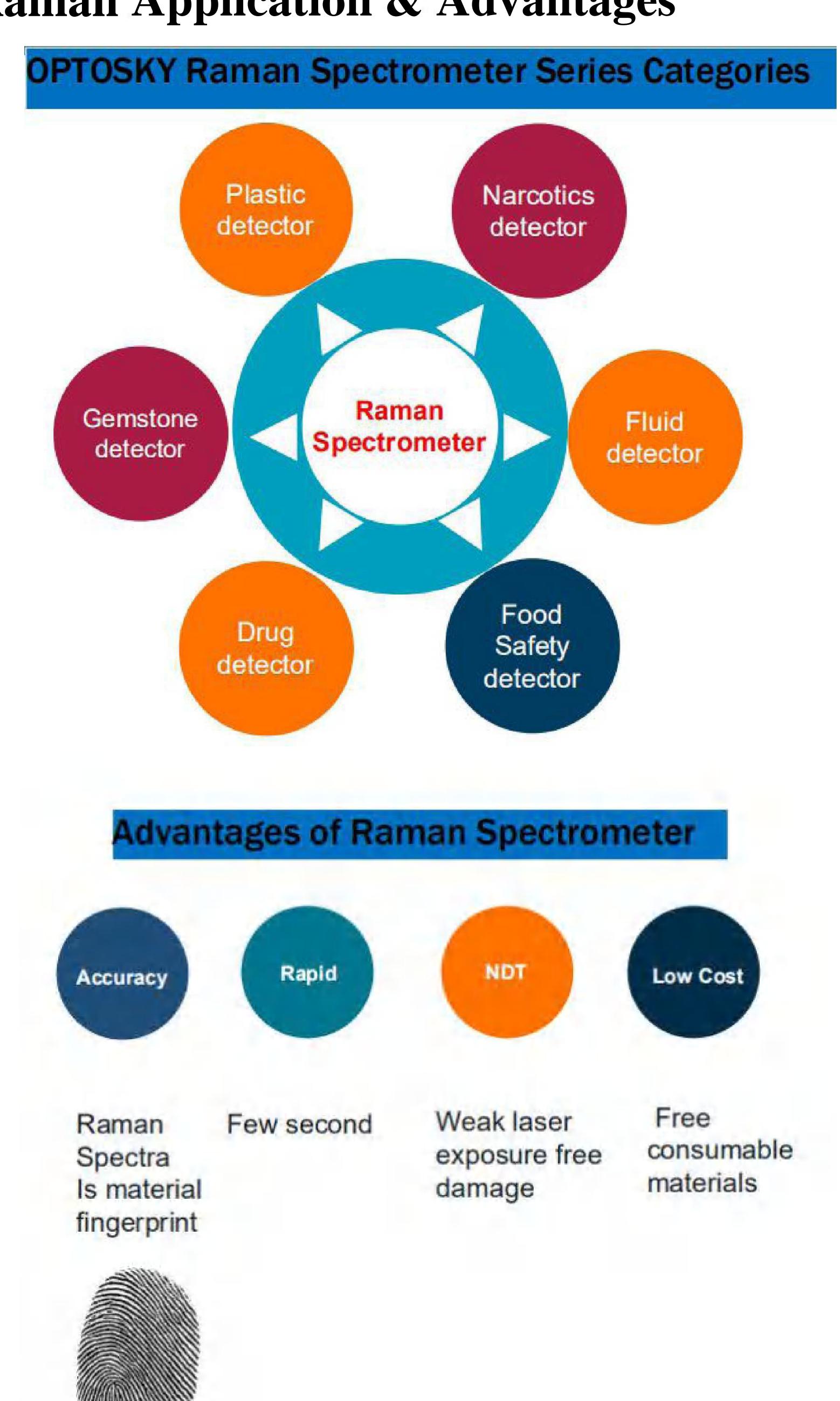


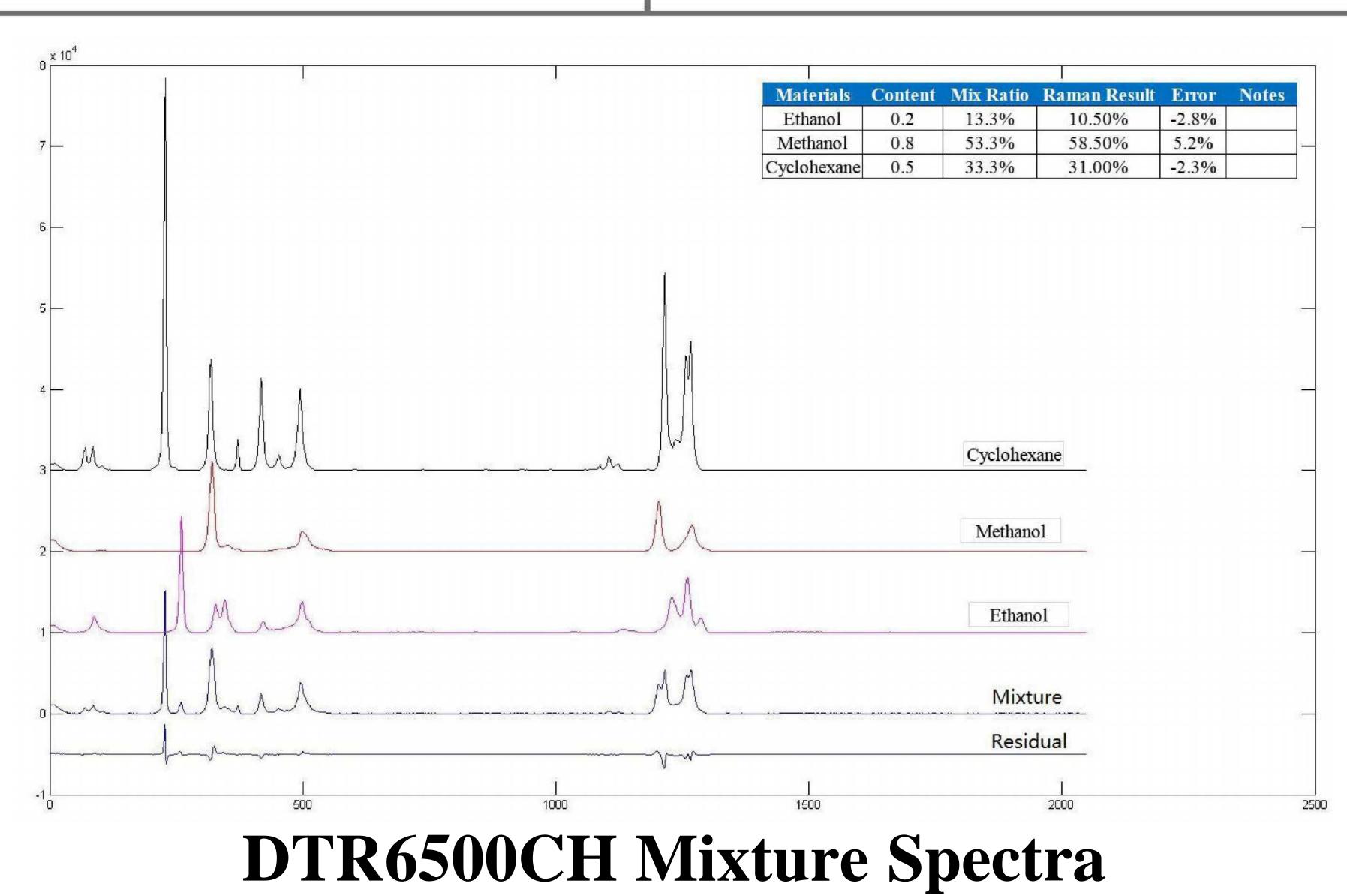
## Parameters

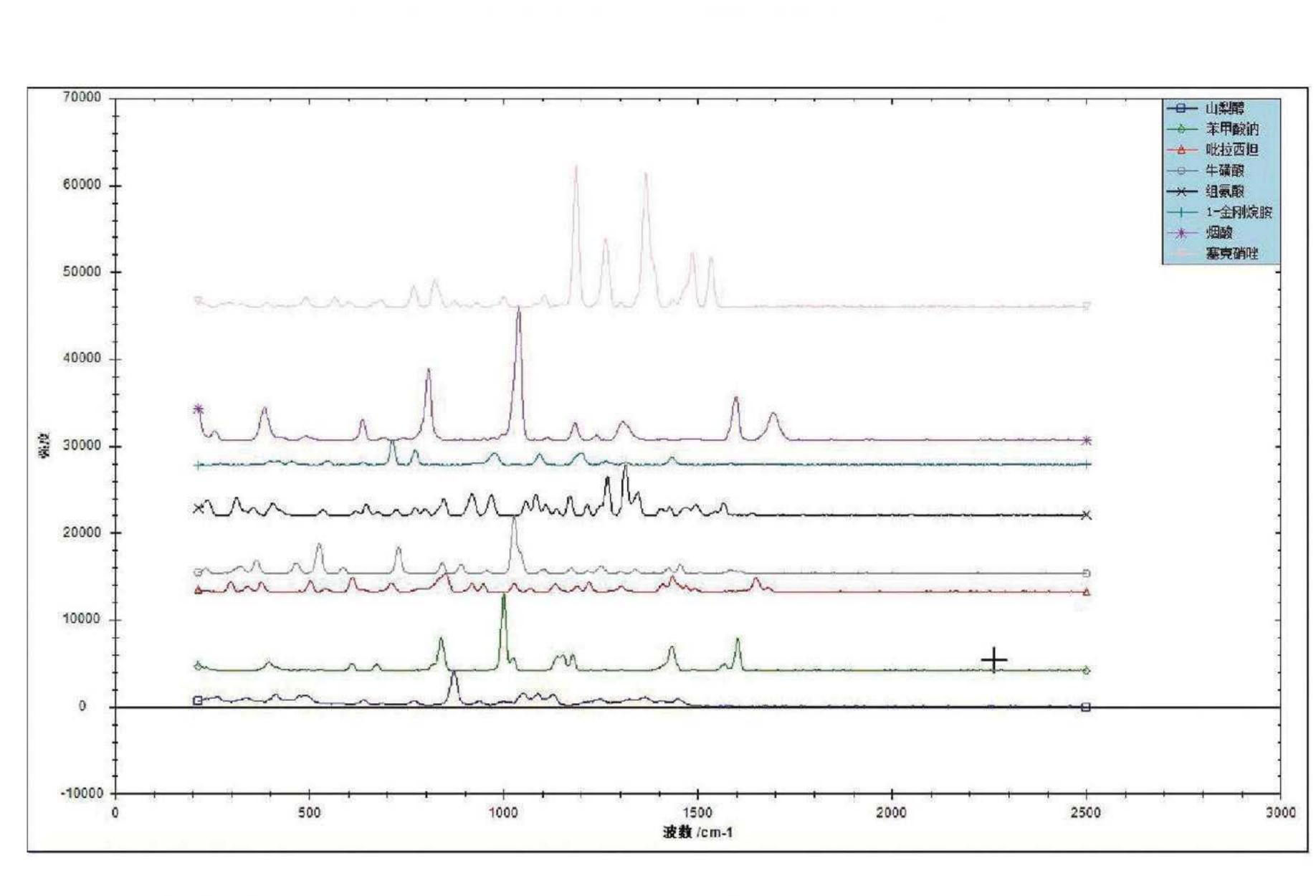
Operative System	Android		
<b>Excitation Wavelength</b>	$785 \pm 0.5$ nm		
Wavenumber Range	200-4000 cm-1		
Resolution	10 cm-1		
Touch Screen	5.5", 1920x1080, Multi-Touch		
Size	172x85x30 mm		
Weight	<480g		
Interface	WIFI, USB Type-C, Bluetooth, GSM		
Export Report	Export reports pdf, csv, txt including detect result, spectral info, evident pictures		
Battery	4-6 hrs, replaceable battery for unlimited battery life		
Other Functions	Readout Altitude, Toxic and hazardous gases warning		
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 Etc.	Industrial Application

### Raman Application & Advantages







DTR6500CH measured Spectra of Sorbitol, Sodium Benzoate, Piracetam, Taurine, Histidine, Amantadine, Niacin, Secnidazole