合同配置清单：

1 1-1 Nicolet is50 FTIR Spectrometer including: 1

Nicolet is50 红外光谱仪包括:

- Highest optical throughput due to pinned in place
  高性能对针定位光学平台
- Highest signal-to-noise ratio due to superior optical and electronics design
  高信噪比设计光学和电子系统
- Touch Point one-touch sampling operation
  一键式采样操作系统
- High speed USB 2.0 interface
  高速 USB2.0 接口
- Ready for iS50 ABX automatic beamsplitter changer
  可配置 iS50 分束器自动切换装置
- Internal storage for 2 additional beamsplitters
  可选配内置 3 分束器
- Internal Validation wheel for SPV or ValPro Qualifications
  内置 SPV 或 ValPro 仪器性能自检和认证系统
- Includes NIST Traceable Polystyrene and NG11 Glass
  标准样品包括 NIST 认证的聚苯乙烯薄膜和 NG11 玻璃

four position quadraflex source mirror

四位置切换光源聚焦镜

~ Three position Paraflect detector mirror

计算机控制三检测器自动切换系统

- Upgradeable to include iS50 ATR Built-in, wide range diamond ATR
  可升级内置式金刚石 ATR，检测范围至远红外区
- Accepts all smart accessories and many others
  适配所有智能附件和其它附件
- Expandable with the iS50 GC-IR and iS50 NIR modules, Ready to accept iS50 Raman Module,Compatible with Continuum FT-IR microscope and TGA accessory
  可内置 iS50 拉曼模块，扩展 iS50 气红和近红外模块，
  与 Continuum 红外显微镜和 TGA 联机等
- Optional Smart purge system
  可选配智能吹扫控制系统

Vectra$^{\text{TM}}$ Interferometer

最新专利 Vectra-Plus$^{\text{TM}}$ 干涉仪

- Auto-Tune$^{\text{TM}}$
  自动调整功能
- Continuous Dynamic Alignment
  超高稳定性动态准直 130,000 次/秒控制
- Better than 0.09cm^{-1} spectral resolution
  优于 0.09cm^{-1} 分辨率
- Less than 0.07%T devition ASTM linearity
  ASTM 标准线性优于 0.07%T
- Peak-to-Peak Noise <7.89x10^{-6}Abs
  峰-峰噪音值小于 7.89x10^{-6}Abs
  (在 ASTM 标准线性优于 0.07%T 条件下，信噪比：优于 55,000:1)
- Rapid Scan : 65 Spectra/s
  基本快速扫描功能:65 张谱图/秒(MCT 检测器响应）

Long Lifetime Polaris™ Infrared Source
超长寿命 Polaris™专利红外光源
- Automated continuously variable aperature
  200 档高精度可变光圈自动控制
Ge on KBr beamsplitter(7.800-350cm^{-1})
中红外 KBr 分束器
DLaTGS Detector with KBr window(12.500-350cm^{-1})
DLaTGS 检测器
- 24Bit 500KHz High-speed AD converter
  24Bit 500KHz 高速 AD 转换
Sealed and Desiccated Optical Bench(KBr Optics)
密封干燥带湿度显示光学台

1-2 OMNIC Professional Package includes the following:
OMNIC 智能软件包，包括：
- OMNIC Data Manipulation w/Data Collect
  OMNIC 数据处理和数据采集
- Auto Analyze feature to perform and report TQ prediction,searching, Qcheck or Peak Labelling immediately after collection without any need for intervention.
  样品光谱采集后自动完成定量建模编辑、搜索、高灵敏度精确鉴定和谱峰标定。
- Touch point software support for iS50 spectrometer and modules
  支持 iS50 主机和应用模块一键式快捷操作
- Full-featured report generator and electronic laboratory notebook
  实验报告电子版转换
- Auto Report feature to automatically view results, print or add to current notebook.
  实时光谱预览和自动解析
- Automatic atmospheric suppression to remove H2O and CO2 interferences
  自动水气和 CO2 校正。
- Complete set of spectral data processing tools
  完整的谱图数据处理功能
- Full array of data conversion and correction tools such as Kubelka Munk, Kramers Kronig and Advanced ATR correction
  完整的数据转换和校正功能，包括 K-M 转换、K-K 转换和高级 ATR 校正等
- TQ Professional for quantitative and qualitative method development prediction and deployment.
  专业版 TQ 定量和定量分析方法开发
- Customizable Toolbar, Menu, and Options with User Logins
  用户自定义工具菜单和设置登录的用户名
- Spectral Search: High-Resolution Library Generation, Customizable Information Fields, Single or Multiregion Search, Library Management with Over 1400 Spectra in Included Spectra in Included Libraries
  光谱检索：高分辨率谱库，用户可自定义检索信息，单区域或多区域检索，谱库管理，内置 1400 多张标准谱图
- OMNIC Macros\Basic to compile routine tasks into simple push button operations with access via OMNIC's customizable toolbar
  集成化扫描控制面板按钮操作或包含 Macros\Basic 程序的自定义工作条流程的一键式流程化操作功能
- QCheck correlation for QC/QA verification of samples against one or many reference spectra; includes standard correlation and unique high sensitivity compare with pass/fail thresholds
  QCheck 高灵敏度精确鉴定

	- System Performance Verification (SPV) automatically 仪器性能检验（SPV）自动监控，性能校验 - Performance Verfication, based on ASTM E1421, to test and document system operation 性能校验（ASTM E1421 标准，测试和文档） - System Suitability to ensure analysis consistency, including your sampling accessory 系统的稳定性测试（包括附件） - Easy to set-up parameters, live display of data collection and live spectral preview 实验参数智能设定、实时光谱采集和光谱预览。 - Password protection and user login support 设置登录的用户名和密码保护。 - Extensive on-line help and video tutorials 在线帮助和多媒体教学。	
1-3	外延层厚度测试计算软件	1
2	Nicolet iS50 English Language Kit 英语标识	1
3	Power Cord,China 250v 250v 电源接线制式	1
4	300mm Silicon Wafer Analysis Stage & Wafer Analysis Software 300mm 硅片检测分析系统 ~ Software controlled 300 mm stage (PIKE Map300) ~ USB Controlled ~ Driven from OMNIC Wafer Analysis Software ~ Includes Wafer Analysis Software	1
5	12" Wafer Mount for 300mm stage 12 英寸片架	1
6	8" Wafer Insert 8 英寸片架	1
7	6" (150mm) Diameter Wafer Insert for 300mm stage 6 英寸片架	1
8	Computer and Printer 计算机和打印机	1