



## Optimized Reproducibility in Quantitative Analysis

- RoHS Compliant
- Precision fixed sampling pathlength
- Proprietary seal technology for leak free operation
- Complete window material offerings for your sample types
- Rectangular plate design to fit your FT-IR spectrometer
- Individually serialized to aide in record keeping
- Optional factory calibration for your convenience and method certainty

The Spectral Systems RoHS Super-Sealed™ Liquid Cells are designed and manufactured for precision quantitative analysis and maximum reproducibility using fluoropolymer seals to eliminate lead and mercury amalgam. The fixed pathlength of the RoHS Super-Sealed Cell eliminates potential variability due to reassembly of a demountable liquid cell. The proprietary seal technology used in our RoHS Super-Sealed Liquid Cells provides for leak free operation, exceptional durability and maximum productivity.

The cell mount for the RoHS Super-Sealed Liquid Cells is the standard 2.0" × 3.0" to fit your FT-IR spectrometer. All RoHS Super-Sealed Liquid Cells are manufactured with Luer Lock fill ports for convenient sample filling and cell cleaning.

The RoHS Super-Sealed Liquid Cells are available with your selection of sampling pathlength and window materials. Window materials used in the Super-Sealed Liquid Cells are of the highest quality composition and maximum flatness for precision quantitative analysis. For special applications we offer our Spectral Systems XP-BBAR coating for

our RoHS Super-Sealed Liquid Cells to increase IR throughput of high refractive index window materials. We can also manufacture these cells with wedged windows for improved performance in high resolution spectral measurements. Please contact us for details.

For your convenience we offer factory calibration of any of our RoHS Super-Sealed Liquid Cells.

### SPECIFICATIONS

RoHS Compliant	Yes
Plate Geometry	Rectangular
Plate Dimension	2.0" W x 3.0" H
IR Beam Port Geometry	Circular
IR Beam Port Diameter	13 mm
Nominal Pathlength	±10% guaranteed
Calibrated Pathlength	Optional
Seal Type	Proprietary, leak free, fluoropolymer
Fill Port Type	Luer Lock
Window Flatness	$\lambda/5$ at 10.6 micron



## ORDERING INFORMATION

### RoHS Super-Sealed Liquid Cells

PATHLENGTH (MM) VOLUME (ML)	0.025 0.009	0.050 0.018	0.100 0.036	0.500 0.18	1.000 0.36	5.000 1.8	10.000 3.6
BaF <sub>2</sub>	195-15-002	195-15-003	195-15-004	195-15-007	195-15-008	195-15-009	195-15-000
CaF <sub>2</sub>	195-16-002	195-16-003	195-16-004	195-16-007	195-16-008	195-16-009	195-16-000
CsI	195-17-002	195-17-003	195-17-004	195-17-007	195-17-008	195-17-009	195-17-000
KBr	195-18-002	195-18-003	195-18-004	195-18-007	195-18-008	195-18-009	195-18-000
KRS-5	195-19-002	195-19-003	195-19-004	195-19-007	195-19-008	195-19-009	195-19-000
NaCl	195-20-002	195-20-003	195-20-004	195-20-007	195-20-008	195-20-009	195-20-000
IR Quartz	195-21-002	195-21-003	195-21-004	195-21-007	195-21-008	195-21-009	195-21-000
ZnSe	195-22-002	195-22-003	195-22-004	195-22-007	195-22-008	195-22-009	195-22-000
ZnS	195-23-002	195-23-003	195-23-004	195-23-007	195-23-008	195-23-009	195-23-000

RoHS Super-Sealed Liquid Cells include Teflon® stoppers to complete the seal of your sample within the cell.

### RoHS Super-Sealed Liquid Cells Calibration

DESCRIPTION	PART NO.
Calibration of Liquid Cell	097-00-000

Please order 1 each of this part number for each cell to be calibrated.

### Replacement Parts for RoHS Super-Sealed Liquid Cells

DESCRIPTION	PART NO.
Teflon Stoppers (12 each)	097-3711

For other options for Super-Sealed Liquid Cells, please contact Spectral Systems.