Alpha Spectra, Inc.
Scintillation Detectors

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ASI Recommended Packaging and Shipping Instructions
Large Volume Detectors

Scintillation detectors are fragile instruments. This document provides recommended packaging instructions for successfully shipping our scintillation detectors. If after reading this document you still have questions, please do not hesitate to call us.

Scintillation detectors can be damaged by either mechanical or thermal shock. The packaging procedures provided here address both of these issues.

1. Place the detector in a plastic bag and seal the bag.
2. Prepare a large wooden crate large enough so that there is a minimum distance of at least 6" between the detector(s) and the outer wall of the crate. Be sure that there is at least a 4" distance between detectors if multiple detectors are shipped in the same crate. Use a high density Styrofoam to fill the void around the detector(s). It is critical that the detectors do not move around in the crate during transit. Be sure that the detector is well-centered in the outer box. Secure the crate lid with screws.
3. Place the following labels on the outside of the crate.
   1) Fragile Material – Contents subject to damage due to Thermal and Mechanical Shock. UPON RECEIPT DO NOT OPEN THIS CONTAINER FOR 24 HOURS.
   2) FRAGILE THIS SIDE UP. Place this label on all four sides.
4. We recommend that all shipments be sent by 2nd day air due to better handling.

If your facility has "foam in place" equipment to set the detector into a thermally set mold, do not use the detector for the form since the exothermic process may fracture the crystal material. We recommend using a wooden form to create a cavity in the mold to simulate the shape of the detector. Be sure that when the detector is placed inside the mold that it is completely immobilized and that it will not shift during transit.

We encourage our customers to save the packaging materials that Alpha Spectra, Inc. provides in our original delivery.