

November 11, 2003

Nima Ashkeboussi
United States Nuclear Regulatory Commission
Washington, D.C. 20555-0001

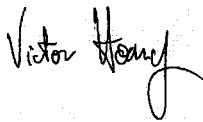
Dear Mr. Ashkeboussi:

This letter is in reference to your e-mail dated November 7, 2003, requesting for additional information.

1. Draeger Safety projects that annual sale for the Ion Mobility Spectrometer would be some where between ten to twenty units.
2. We are also attaching a special quality control procedure that Draeger Safety Inc. will perform on the devices received from Draeger Germany.

Thank you for your assistance, please feel free to contact me at (281) 207-1212 if there are concerns or issues.

Best regards,



Victor Hoang
Senior Engineer
Draeger Safety, Inc.

Enclosure: As stated

Gas Detection Systems
505 Julie Rivers, Suite 150
Sugar Land, TX 77478
Phone: (281) 207-1212
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Ion Mobility Spectrometer Quality Control and Inspection Procedure

Note: All special processes, testing, or inspections must be performed by the company Radiation Safety Officer (Chris Hickling) or persons who have been properly trained and qualified by the RSO.

1. Follow the standard Draeger Safety, Inc. Quality Management System (QMS) to ensure that:
 - 1.1 The materials of construction and the final assembly meet the design specifications.
 - 1.2 The 19" housing/enclosure is completely intact for proper EMC shielding.
 - 1.3 Perform leak wipe test.
 - 1.4 Check LED's for Reactive Ion Peak signal and low-flow alarms.

2. Upon receiving the IMS equipment from Drager Germany, unpack the cartons and inspect the unit for any visible physical damage.
 - 2.1 Perform two Leak - Wipe tests on each IMS unit.
 - 1.11 The first sample should be taken from wiping the external top, side and bottom of the unit.
 - 1.12 The second sample should be taken by removing the filter cover and wiping the filter housing.
 - 1.13 All leak-wipe test kits shall be sent to the NIST approved lab (Atomic Energy Industrial Laboratories of the Southwest, Inc.) for evaluation.
 - 1.14 This test should be performed and documented every six months accordingly and against the unit's serial number.
 - 1.15 All results should have permissible levels of no greater than 0.005 microcurie (185 Bq). The IMS' typical analysis level is usually no more than 5 Bq.
 - 1.16 If the result is greater than the permissible level, re-perform the wipe test for further evaluation and notify the RSO.

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- 2.2 Apply power to the IMS unit and observe for proper start-up sequence.
 - 1.22 Allow the unit to warm-up for one hour and inspect to make sure that there are no warning LED's visible.
 - 1.23 The Reactive Ion Peak signal should be greater than 3, showing proper operation. If the signal is less than 3, then there could be a cause for moisture breakthrough (air leaking into system) or gas pump non-function (no flow).
 - 1.24 Record the Reactive Ion Peak signal and spectras of the unit in both positive and negative ion mode and document the file corresponding to the unit's serial number.
 - 1.25 Also as a gross leak test, the IMS unit can be exposed to a high external concentration of Acetone and the Reactive Ion Peak would not be affected.
 - 1.26 Install flow meter on output fitting of unit and verify for proper flow of approximately 200 mL/minute.

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