



International Isotopes Inc.
(Including *International Isotopes Idaho Inc. subsidiary*)

Testing Summary for the 12 X 12 x 12 Shipping Container Five Hole Design

1. Package Description

- 1.1. The shipping package consists of a single wall cardboard box with three 12 X 12 X 4 foam blocks stacked inside the box. The middle foam block had five 2.5 inch holes bored through it. A lead shipping container assembly measuring 4 inches tall by 2 inches in diameter each cavity. The exterior dimensions of the package are 12 inches X 12 inches X 12 inches.

2. Testing Summary

2.1. Water Spray Test

- 2.1.1. The water spray test was conducted by spraying four sides of the package consecutively, one at a time, for one hour each. The post test inspection found that the water had soaked the outer layer of the cardboard but had not compromised the integrity of the tape or cardboard. The package remained intact and all internal contents were held securely in place.

2.2. Free Drop Test

- 2.2.1. The Free Drop Test was conducted immediately after the Water Spray Test. The package was raised to a height of 31 feet and released onto a smooth concrete surface, landing on a corner. Post-test inspection found slight deformation on the corner impacted. The package remained intact and all internal contents were held securely in place.

2.3. Penetration Test

- 2.3.1. The Penetration Test was performed immediately after the Free Drop Test. A steel bar 1.25 inches in diameter, with a hemispherical end and a weight of 13.2 lbs was dropped from a height of 5 feet 6 inches onto the center of the package. The metal bar penetrated the cardboard box and partially penetrated the foam insert. The foam insert appeared to prevent the bar from striking the lead shipping container assemblies. The post-test inspection found no indication of damage to the lead shipping container assemblies. The package remained intact and all internal contents were held securely in place.



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2.4. Stacking Test

- 2.4.1. The Stacking Test was initiated immediately after the Penetration Test. The package was placed on a concrete surface and a plywood sheet was placed on the package. Concrete bricks weighing a total of 280 lbs. were then stacked on the plywood and allowed to remain for 24 hours. The post-test inspection found no indication of damage to the lead shipping container assembly, although some deformation of the cardboard box was noted. The package remained intact and all internal contents were held securely in place.

3. Testing Conclusion

- 3.1. The cardboard package with foam inserts provided adequate protection for the lead pigs. It is considered qualified as a Spec 7A Type A Package.

Testing performed and recorded by:

Darin Lords
International Isotopes Idaho Inc.

6/4/07
Date

Data Sheet for Type A 7ATesting on 12 X 12 X 12 Five Hole Design

Date Performed 6/3/04 - 6/4/04

TEST	START TIME	STOP TIME	PERFORMED BY	RESULT/COMMENTS
Water Spray Test *	0255	0855	<i>[Signature]</i>	over Package Sealed
Side 1	0855	0955	<i>[Signature]</i>	no additional Damage noted
Side 2	0955	1055	<i>[Signature]</i>	no additional Damage noted
Side 3	1055	1155	<i>[Signature]</i>	no additional Damage noted
Side 4	1155	1255	<i>[Signature]</i>	no additional Damage noted
Free Drop Test	1330	1335	<i>[Signature]</i>	Disassembly of one corner
Stacking Test **	1415	1430	<i>[Signature]</i>	Slight disassembly of Package
Penetration Test	1355	1410	<i>[Signature]</i>	Cardboard Restructured, Sealed and sealed

Results Reviewed by *[Signature]* Date 6/4/04

* The Water Spray Test will be done by spraying four sides of the box consecutively, one at a time. The remaining tests will be performed immediately following the spray test.

** Stacking Test Requirements are 1.9 lbs/in² - Package size is 12in X 12in, 12X 12 X 1.9 = 280 lbs Required for Testing.