



CONTAINER TESTING LABORATORY, INC.
PACKAGE ENGINEERING • RESEARCH • CONSULTATION • TESTING

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**PACKAGING PERFORMANCE UN/US DOT/ICAO/IATA/IMDG
CERTIFICATE**

CONTAINER TESTING LABORATORY ID #+AQ

Certification Report #2168
CTL P. #39794

REQUESTING PARTY:

Mr. Mauricio Lima Filho
IMER DO BRASIL
Estrada do Otaviano, 535
Rocha Miranda, RJ
Brazil 21540-010

1. Product tested: combination packaging, comprising nine (9) 4 ml wide mouth glass vials with yellow plastic closures and red rubber seals, inner packaging, packed within three (3) natural plastic wide mouth round bottles (pressure vessels) with red plastic screwcap closures and rectangular cross section "O"-ring secondary containment, inside a bubble sheet surrounded with absorbent paper sheets. The pressure vessels are installed 3 X 1 into a tuck top and tuck bottom fiberboard box outer packaging within expanded polystyrene bottle inserts and expanded polystyrene top and bottom pads. The use of other packaging methods or components may render this report invalid.

2. Designated packaging code type: 4GU
Packaging nomenclature: Combination Package

3. Tests performed:

TEST	SPEC	INTENSITY	RESULTS
Cobb	UN Para 6.1.4.12.1	109.9 g/m ²	Pass
Water Spray	UN Para 6.3.2.5 (b) (IATA 6.5.1.1.2)	5 min	Pass
Drop	UN Para 6.3.2.5 (a) (IATA 6.5.1)	9 meters	Pass
Puncture Test A	UN Para 6.3.2.6 (a) (IATA 6.5.2.1.1)	7 kg @ 1 meter	Pass
Vibration	US 49 CFR 178.608	1 hour	Pass
Stacking	Para 6.1.5.6 (IATA 6.3.6)	22.6 kg	Pass

4. Authentication: USA/+AQ2168

5. I certify that the samples of packaging prepared as for transport, described herein and tested in December 2001, in the manner summarized in paragraph (3) above, successfully pass the tests according to the criteria described in paragraphs 6.1.4.12.1, 6.3.2.5 (a), 6.3.2.5 (b), 6.3.2.6 (a) and 6.1.5.6 as set forth in the UN Recommendations of the Committee of Experts on the Transportation of Dangerous Goods, Chapter 6, Eleventh Revised Edition, US 49CFR Sections 178. 608 and IATA Dangerous Goods Regulations Section 6.5.3, 42nd Edition, and that the packages may bear the marking:



4GU / Class 6.2 / *
USA / +AQ2168

* year of manufacture

By:

Date: December 13, 2001

CONTAINER TESTING LABORATORY, INC.
CERTIFICATION OFFICER

CC: Mr. Rob Smith, CARGOpak Corporation, 3215 Wellington Court, Suite A, Raleigh, NC 27615

"All manufacturing, engineering, and quality efforts are in vain if the product reaches its destination in a damaged condition."