



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

607 FAYETTE AVENUE • MAMARONECK, NEW YORK 10543

PHONE: (914) 381-2600 • FAX: (914) 381-0143

CONTESTLAB@HOTMAIL.COM • WWW.PACKAGELAB.COM

**PACKAGING PERFORMANCE UN/USDOT/IATA/ICAO/IMDG CERTIFICATE
INCLUDING AIR TRANSPORT**

CONTAINER TESTING LABORATORY ID #+AQ

Certification Report #2176
CTL P. #39814-D

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 a 29,300 cm³ regular slotted fibreboard box (International Box Code 0201) outer packaging tested with four (4) 0.946 liter (1 quart) amber glass round bottles, with white plastic screwcap closures and foamed plastic liners sealed with adhesive plastic tape and inserted 2 X 2 into a plastic bag with absorbent dunnage void space filler. The use of other packaging methods or components may render this report invalid.

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

3. Tests performed:

TEST	SPEC	INTENSITY	RESULTS
Cobb	UN Para 6.1.4.12.1 (IATA 6.2.12)	108.8 g/m ²	Pass
Drop	UN Para 6.1.5.3 (IATA 6.3.3)	1.8 meter	Pass
Internal Pressure	UN Para 6.1.5.5 (IATA 6.3.5)	250 kPa	Pass
Stacking	UN Para 6.1.5.6 (IATA 6.3.6)	136 kg	Pass
Vibration	USDOT 49CFR 178.608	1 hour	Pass

4. Authentication: USA/+AQ2176

5. I certify that the samples of the packaging prepared as for transport, described herein and tested in December 2001 and January 2002 in the manner summarized in paragraph (3) above, successfully passed the tests according to the criteria described in paragraphs 6.1.4.12.1, 6.1.5.3, 6.1.5.5 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, 11th revised edition and USDOT 49CFR Section 178.608, and that the packages may bear the marking:



4G / X 15 / S / *
USA / +AQ2176

* year of manufacture

Note 1 - Reference ICAO Part 6, Chapter 2, Note 3; IATA Section 6.0.4, Note 3, UN Section 6.1.3, Note 3, USDOT Section 173.24a (b) (I) (ii): The marking does not always provide full details of the test levels, etc., and this may need to be taken further into account, e.g. by reference to a test certificate, test reports or register of successfully tested packagings. For example a Packing Group I packaging tested for products with relative density of 1.2 could be used as a Packing Group II packaging for products with relative density of 1.8 or a Packing Group III packaging of relative density of 2.7, provided that all performance criteria can still be met with the higher relative density.

By:  Date: January 2, 2002
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."