



## **Random Number Generator Certificate**

**Operator:** Casino AtlanticVegas

**URL:** [www.atlanticvegas.com](http://www.atlanticvegas.com)

This is to certify that [iTech Labs](http://www.itechlabs.com) has evaluated the Random Number Generator (RNG) marked under the XRNG brand and found that the RNG complies with the relevant standards\*.

The XRNG uses a widely recognized algorithm to generate the random numbers. The numbers generated by this RNG have passed Marsaglia's "diehard" tests for statistical randomness.

iTech Labs has evaluated the shuffling of the cards for card games. Chi-squared tests were applied to over 8 million shuffled decks in 1 deck, 4 decks, 6 decks and 8 decks formats using 0-2 jokers. The tests were applied to suits 1-4, ranks 1-13 and cards 1-52. iTech Labs has found that the card sequences are unpredictable and non-repeatable.

iTech Labs has applied Chi-squared tests to scaled numbers for non-cards games (roulette games, slot games, dice games and miscellaneous ranges for games). These tests have indicated statistical randomness.

The certified code for the RNG has been fingerprinted.

Click here to view the [Original](#) Tech Labs Certificate.

**Signed:**

A handwritten signature in black ink, appearing to read "G. Y. Nicoll".

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**Geoff Nicoll**  
Principal Consultant  
**iTech Labs Australia**

Date: July 17, 2007

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1. AGCC standards are available at <http://www.gamblingcontrol.org/>
2. A high level description of iTech Labs Technical Standards is available at [http://www.itechlabs.com.au/gaming/iTech\\_Labs\\_IGS\\_Standards.pdf](http://www.itechlabs.com.au/gaming/iTech_Labs_IGS_Standards.pdf)

Disclaimer.

While it is not possible to test all possible scenarios in a laboratory environment, iTech Labs has conducted a level of testing appropriate for a component test of this type.