



Random Number Generator Certificate

Operator: Blue Stone Interactive Entertainment Limited

URL: www.bingoliner.co.uk , www.bingocafe.co.uk , www.kingjackpot.co.uk

This is to certify that [iTech Labs](http://www.itechlabs.com) has evaluated the Random Number Generator (RNG) used in the Blue Stone system and found that the RNG complies with the relevant AGCC standard.

The Blue Stone system uses a hardware RNG device along with a Pseudo RNG as backup. The Pseudo RNG uses a widely recognized algorithm to generate the random numbers. The raw numbers generated by both RNGs have passed Marsaglia's "diehard" tests for statistical randomness.

iTech Labs has evaluated the shuffling of the cards for all card games. Chi-squared tests were applied to shuffled single decks without joker for sample sizes of 1000 decks to 50,000 decks for a total of over 1 million decks. These tests were applied to suits 1-4, ranks 1-13 and cards 1-52 using numbers generated by the Pseudo RNG. The tests were repeated for the numbers generated by the hardware RNG. iTech Labs has found that the card sequences are unpredictable and non-repeatable for both RNGs.

iTech Labs has applied Chi-squared tests to scaled numbers for non-cards games (reel lengths, bingo numbers, feature numbers, scratch game numbers). The tests were conducted for both hardware device and the Pseudo RNG. The results 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".

Geoff Nicoll
Principal Consultant
iTech Labs Australia

Date: April 11, 2008

* The relevant AGCC requirements are available at <http://www.gamblingcontrol.org/>

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