



## **Random Number Generator Certificate**

**Operator:** Habanero Systems B.V.

**Operator URL:** <http://habanerosystems.com/>

This is to certify that iTech Labs has evaluated the CSharp Random Number Generator (RNG) by Habanero Systems B.V and found that the RNG complies with the relevant standards.\*

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

iTech Labs has evaluated scaling for slots, roulette and keno games. iTech Labs has also evaluated card shuffling for single deck (without joker) and 5 decks (without joker).

The scaling/shuffling tests were conducted on large enough samples to give the calculations sufficient statistical power.

iTech Labs has found that the number and card sequences are unpredictable, non-repeatable and uniformly distributed.

The certified code for the RNG has been fingerprinted.

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

**Signed:**

Handwritten signature of Kiren Sreekumar in black ink.

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**Kiren Sreekumar**  
**Principal Consultant**  
**iTech Labs Australia**

Date: 22 September 2014

**Signed:**

Handwritten signature of Geoff Nicoll in black ink.

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

Date: 22 September 2014

\* The RNG was tested according to the requirements of Malta LGA, Isle of Man Gambling Supervision Commission, Gibraltar Gambling Regulatory Authority, First Cagayan and Kahnawake Gaming Commission.

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.