



## **Random Number Generator Certificate**

**Operator:** Ladbrokes

**URLs:** <http://www.ladbrokes.com>  
<http://games.ladbrokes.com>  
<http://www.ladbrokesgames.com>

This is to certify that [iTech Labs](#) has independently evaluated the Random Number Generator (RNG) used for the virtual racing games on [www.ladbrokes.com](http://www.ladbrokes.com) and [www.ladbrokesgames.com](http://www.ladbrokesgames.com). iTech Labs has found that the RNG complies with U.K. Gambling Commission 'Remote Gambling and Software Technical Standards'.

The random numbers are provided by Operating System (OS) level entropy and supplemented by a well known Pseudo Random Number Generator (PRNG) algorithm. The numbers generated by this RNG have passed Marsaglia's "diehard" tests for statistical randomness. iTech Labs has also evaluated the scaled numbers for the racing games. Chi-squared tests were applied to over 10 million scaled numbers. iTech Labs has found that the scaled numbers are unpredictable and non-repeatable.

The certified code for the RNG has been fingerprinted.

Click here to view the [Original](#) iTech 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**

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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.