



Random Number Generator Certificate

Operator: 3A International N.V.

URL: www.luck3.com

This is to certify that iTech Labs 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. 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.

Chi-squared tests were conducted for the following games:

Game type	Game name
Baccarat	Baccarat
Blackjack	Blackjack
Blackjack	Blackjack Surrender
Card game	Card Wars
Classic slots	777 Slots
Classic slots	999 Slots
Classic Slots	Gold in Bars Slots
Classic Slots	Hot 7's Slots
Classic slots	Mexican Slots
Classic Slots	Pirate Slots
Craps	Craps
Keno	Keno
Poker	Caribbean Poker
Poker	Casino Hold 'Em
Poker	LetEmRide
Poker	Pai Gow Poker
Poker	Poker Three
Roulette	American Roulette
Roulette	European Roulette
Sic Bo	Sic Bo
Video Poker	Coliseum Poker
Video Poker	Deuces Wild
Video Poker	Deuces Wild 4 line
Video Poker	Face the Ace Poker
Video Poker	Five Aces Poker
Video Poker	Jacks or Better
Video Poker	Jacks or Better 4 line
Video Poker	Joker Wild



Video Poker	ShockWave
Video Poker	Spin to Win Poker
Video slots	Archipelago Slots
Video slots	Aztec Slots
Video slots	China MegaWild Slots
Video slots	Cleopatra Treasure Slots
Video slots	Freaky Fruits Slots
Video slots	Mystic Video Slots
Video slots	Olympic Slots
Video slots	Party Night Slots
Video slots	Party Night Slots
Video slots	Spin the World Slots
Video slots	Totem Quest Slots
Vidoe slots	Atlantis Dive Slots
XG Games	Black and White
XG Games	Derby
XG Games	Greyhounds Park
XG Games	Hockey Shot
XG Games	Instant Lotto
XG Games	Penalty Shootout
XG Games	Rollup
XG Games	Soccer Shot
XG Games	Wheel of Fortune
XG Games	Bonus Cards
XG Games	Jackpot7

The tests conducted for the above games were limited to correct use of the RNG.

The certified code for the RNG has been fingerprinted.

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

Signed:

Geoff Nicoll
Principal Consultant
iTech Labs Australia

Date: October 16, 2008

* Notes:

1. AGCC standards are available at <http://www.gamblingcontrol.org/>
2. Isle of Man Standards are available at <http://www.gov.im/lib/docs/gambling/Regulations/onlinegamblingsystemverification.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.