

Test Report

Test report No.:

T-J0011-I0104

Date of issue:

2022-04-12

Applicant: Bee-Fee Ltd., 27 Old Gloucester Street, WC1N 3AX London, United Kingdom	Manufacturer: Bee-Fee Ltd., 27 Old Gloucester Street, WC1N 3AX London, United Kingdom
Product: Buffalo Trail Lite	Target device: BF Games
Product type: Internet games (reels)	Target device type: Internet gaming system
Jurisdiction: Latvia	
Test Criteria: Regulations for operating systems used to sell interactive gambling, interactive lottery and lottery tickets and collect entry fees (Regulation No. 189). Regulations on the information that shall be included in the conformity review of game programmes used to organize interactive gambling or interactive lotteries (Regulation No. 188).	
Pages (with annexes): 10	Verdict (subject to conditions in Chapter 1): Pass
Test report type: Game	Subject file No.: 22000214004
Test group(s): Payback, Software	
Remarks: N.A.	

Project responsible person [signature]:

Reviewed by [signature]:

Gregor Zakrajšek

Franci Piki

1 Conditions and settings for compliance with test criteria

Testing performed with English and Latvian language setting.

Game supports various RTP variations. Only RTP variation listed in Test Report Annex: Payback ratio tests, Chapter 3 Payback ratio is approved herein. RTP variant shall be verified in settings in RGS database.

Channels: HTML5 browser (Desktop + Mobile).

Product tested herein uses scalable graphics and follows the basic W3C recommendations on HTML5 implementations. Due to the large variety of possible screen dimensions and internet browsers all combinations were not tested. Graphics were tested on several brands of browsers, set to various display sizes.

The results given in this document reflect the product, as submitted to SIQ for testing and evaluation purposes by the applicant (pre-production environment). It is the responsibility of the applicant and the operator to ensure that the final deployed product (on production environment) is identical.

2 Protection against unauthorized access

See the corresponding platform test report(s).

3 Gaming device general properties

General device design:	Server, Linux, MongoDB
Cabinet(s):	N.A.
Available player denominations:	N.A. (In currency)
Available tokenizations:	N.A.
Supported communication protocols:	HTTP/SSL (JSON)
Supported progressives:	N.A.
Minimum bet (credits):	Settable; tested in currency: 0,10
Maximum bet (credits):	Settable; tested in currency: 50,00



4 Annexes

Annex / Test group	Attached [yes/no]	Remark
Functional tests	No	/
Randomness tests	No	/
Payback ratio tests	Yes	/
Software analysis	Yes	/
Device specific tests	No	/
Other annexes	No	/

5 Previous / transferred test reports results

N.A.

6 Additional information

Date of signed application received: 2022-03-16

The location of performance of the laboratory activities (if outside of SIQ premises): N.A.

7 Documentation references

The following documentation was used:

- User help,
- Screen capture images,
- Par sheets, Game description,
- Source code and configuration files.

8 Other test report references

Test group	Laboratory	Test report identification and date	Remarks
Randomness tests	SIQ	T-J0011-I0021, 2017-12-01	BF Gameserver (with extensions)
Software analysis	SIQ	T-J0011-I0021, 2017-12-01	BF Gameserver (with extensions)

Test report replacements and extensions may apply.



9 Terms and conditions

SIQ has conducted a level of testing of the gaming product which has historically been adequate for a submission of this type. However, inherent in testing in a laboratory environment are the unavoidable limitations of it not being possible to verify the effects of all possible configurations and environments that occur in actual gaming venues. If any parties dispute our findings, or may present evidence or information contrary to our findings, SIQ would welcome the addition of this information for our consideration. In such an instance, SIQ reserves the right to amend or revise this document.

Within the scope of gaming testing, SIQ performs a cursory review of test reports accompanying the submitted tested product, if provided, for evidence that the product has undergone non-gaming compliance testing, such as Electromagnetic Interference (EMI), Radio Frequency Interference (RFI), Magnetic Interference, Liquid Spills, Power Fluctuations, Electrostatic Immunity, Electromagnetic Compatibility, Electrical Safety and Environmental conditions. Compliance with any such regulations related to the aforementioned test reports is the sole responsibility of the applicant, manufacturer and/or developer of the submitted tested product. With this document, SIQ accepts no responsibility, makes no representations and disclaims any liability with respect to all such non-gaming testing.

This document is for use by the named jurisdiction and only verifies the product described herein, subject to any conditions or limitations set forth herein. Any test results listed in this document only refer to the sample of the product submitted for testing.

The applicant and manufacturer named herein are solely responsible for possession of the appropriate license to sell, lease, service or provide gaming supplies or gaming related services in the jurisdiction for which this product was tested. It is the responsibility of the applicant, manufacturer and operator to ensure that the gaming product detailed herein is maintained and operated correctly, without defects and safely within the venue environment. Product shall be used in line with accompanying manuals and documentation. Conformity to specified criteria does not warrant product performance nor complete bug free operation.

This document shall not be reproduced except in full. This document shall not be reproduced without the written approval of SIQ.

Test Report Annex: Payback ratio tests

Test report No.:
T-J0011-I0104
Checklist references:
T-J0005-I0255-WN403.xls
T-J0011-I0104-WN6011-P-2.xls
Test report references (if applicable):
N.A.
Internal procedure and issue:
WN203, 14 / 2021-06
Remarks:
N.A.
Date annex completed:
2022-04-12
Tested by [signature]:
Gregor Zakrajšek



1 Description of the game

Buffalo Trail Lite is a 5-reel, 3-row video slot with 25 fixed paylines. The objective is to land as many identical symbols as possible along the payline. Winning combinations start on the first reel on the left (excluding the SCATTER symbol) and run along a payline to the last reel on the right. Wins on different paylines are added. Only the highest winning combination of one symbol is paid out.

Cash Mesh Bonus

Landing 5 or more COIN symbols on any spin triggers the CASH MESH feature. Number of CASH MESH spins are according to the number of COIN symbols which triggered the CASH MESH feature. Each COIN symbol has a predefined value or a JACKPOT/BONUS label. On each CASH MESH spin, any position containing a COIN symbol is held and all other positions spin individually. CASH MESH spins keep awarding until either bonus spins finished or all positions filled.

If CASH MESH spins are finished and all positions on reels are not filled then CASH MESH BONUS SPIN will be awarded. CASH MESH BONUS SPIN may only be awarded once per feature. Number of CASH MESH BONUS SPINS will be randomly awarded out of 1, 2 or 3.

Full House Bonus

Landing 15 COIN symbols during CASH MESH is awarded with an additional FULL HOUSE multiplier $\times 2$ to total values of COIN symbols. The final winning is the value of all symbols added. FULL HOUSE multiplier is applied only on the reels winnings (excluding JACKPOT/BONUS wins).

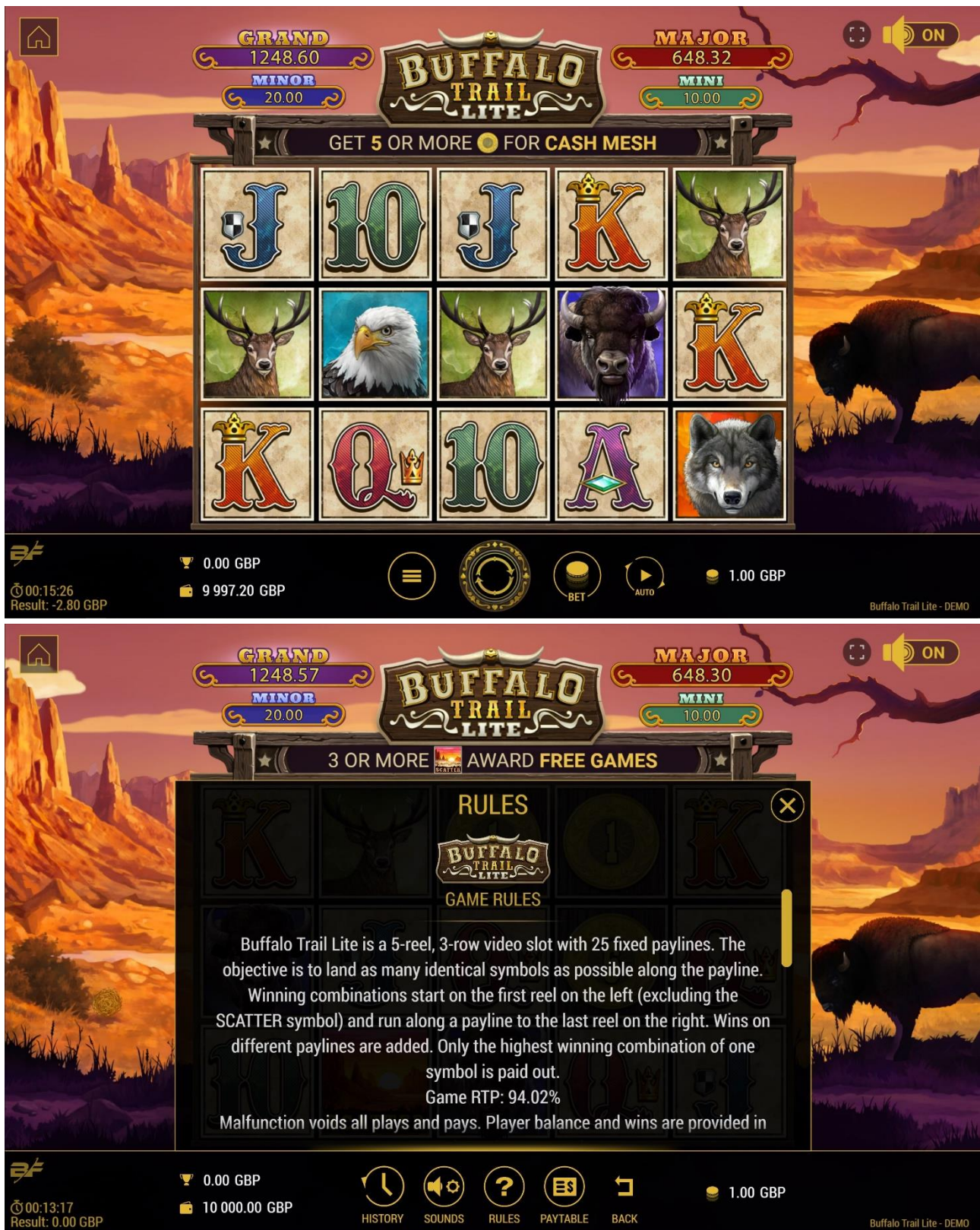
Free Games

Landing 3, 4 or 5 SCATTER symbols triggers 8, 16 or 24 FREE GAMES respectively. FREE GAMES can be retriggered. FREE GAMES are played at triggered bet. Low value symbols will not appear during FREE GAMES. CASH MESH feature can be triggered during FREE GAMES. FREE GAMES and CASH MESH cannot be triggered at the same spin.

Jackpots Bonus

Landing COIN symbol with JACKPOT or BONUS label on reels only during CASH MESH awards player with an extra win. Offered prizes are shown on respective banners and may vary on each spin. JACKPOT or BONUS wins are available on every bet stake. Win value for MINI BONUS is fixed for $\{2\} \times$ bet stake and for MINOR BONUS is fixed for $\{3\} \times$ bet stake. MAJOR and GRAND JACKPOT values grow progressively after each spin. Each player on casino's server participates in JACKPOT's value growth. The minimum value for MAJOR JACKPOT is $\{0\}$, and for the GRAND JACKPOT it is $\{1\}$. Once GRAND or MAJOR JACKPOT is won on casino's server, its value is set to nominal value. JACKPOT's and BONUS' current values are shown on labels above gameplay. All JACKPOT and BONUS symbols can appear simultaneously on reels.

2 Pay-glass / artwork illustrations or photos





3 Payback ratio

3.1 Payback ratio determination method

The payback ratio value (return to player) was derived using simulation.

3.2 Payback ratio results

Buffalo Trail Lite		
RTP variation name	Declared by manufacturer	Verified by test laboratory
"rtp" :9203	92,03%	92,05%
"rtp" :9402	94,02%	94,03%
"rtp" :9603	96,03%	96,03%

4 Test summary

The following tests for the game were performed:

- Payback ratio simulated and verified,
- Verification of information to the player,
- Verification of conditions and settings for compliance with test criteria.



1 Software identification

Software version(s): ONLINE-666

Software components:

Manufacturer, product ID	Description, function	Media, type	Position, circuit	Size	ID code (SHA1)	ID code (MD5)
Bee-Fee, libbuffalotrallite.so	Game library	SSD / HDD	Lib/plugins/	407,39 KB	4cfc4943f7d3bb edf6594d0d425c 432d7fce0a6d	c6ec23631cd8 79889698ea5b f5dab257

2 Test summary

Software analysis for the game was performed:

- Source code analysis:
 - Jurisdiction independent tests: software review.
 - Jurisdiction dependent tests.
- Binary code authentication.
- Archiving and depositing.