



## SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



**Baby Grimace Coin**  
**\$BabyGrimace**



**15/02/2022**



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# DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website <https://freshcoins.io>

FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy ( RUG or Honeypot etc )



# INTRODUCTION

FreshCoins (Consultant) was contracted by Baby Grimace Coin (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0xe5a8f32af9682d45b0e3b848d5d87244726ce40c

Network: Binance Smart Chain (BNB)

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on 15/02/2022



# WEBSITE DIAGNOSTIC

<https://babygrimace.com/>



0-49



50-89



90-100



Performance



Accessibility



Best Practices



SEO



Progressive  
Web App

## Metrics



First Contentful Paint

**3.7 s**



Time to interactive

**13.2 s**



Speed Index

**6.2 s**



Total Blocking Time

**1,080 ms**



Large Contentful Paint

**8.1 s**



Cumulative Layout Shift

**0.002**

# WEBSITE IMPROVEMENTS

---

Reduce initial server response time

---

Reduce unused CSS

---

Reduce unused JavaScript

---

Ensure text remains visible during webfont load

---

Reduce JavaScript execution time 1.5 s

---

Form elements do not have associated labels

---

Links do not have a discernible name

---

Background and foreground colors do not have a sufficient contrast ratio

---

Some elements have a [tabindex] value greater than 0

---

Heading elements are not in a sequentially-descending order

---

# AUDIT OVERVIEW



**Security Score**



**Static Scan**  
Automatic scanning for common vulnerabilities



**ERC Scan**  
Automatic checks for ERC's conformance

0 High

0 Medium

0 Low

0 Optimizations

0 Informational



No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Passed
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Low
8	Methods execution permissions	Passed
9	Exchange rate impact	Passed
10	Malicious Event	Passed
11	Scoping and Declarations	Passed
12	Uninitialized storage pointers	Passed
13	Design Logic	Passed
14	Safe Zeppelin module	Passed

# OWNER PRIVILEGES

Contract owner can't exclude an address from transactions.

Contract owner can't mint tokens after initial contract deploy

LockToken lib included (openTrade, stopTrade, includeToWhiteList)

Contract owner can exclude/include wallet from fees

```
function excludeFromFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = true;
}

function includeInFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = false;
}
```

Contract owner can exclude/include wallet from reward

```
function excludeFromReward(address account) public onlyOwner() {
    require(!_isExcluded[account], "Account is already excluded");
    if(_rOwned[account] > 0) {
        _tOwned[account] = tokenFromReflection(_rOwned[account]);
    }
    _isExcluded[account] = true;
    _excluded.push(account);
}

function includeInReward(address account) external onlyOwner() {
    require(_isExcluded[account], "Account is already excluded");
    for (uint256 i = 0; i < _excluded.length; i++) {
        if (_excluded[i] == account) {
            _excluded[i] = _excluded[_excluded.length - 1];
            _tOwned[account] = 0;
            _isExcluded[account] = false;
            _excluded.pop();
            break;
        }
    }
}
```

Contract owner can change max tx amount

```
function setMaxTxAmount(uint256 maxTxAmount) external onlyOwner() {
    _maxTxAmount = maxTxAmount;
}
```

## Contract owner can change `marketingAddress` address

Current value:

`marketingAddress: 0xcb4c73bc226645f8e27783c98a5697aec89dbeaf`

```
function setMarketingAddress(address _marketingAddress) external onlyOwner() {
    marketingAddress = payable(_marketingAddress);
}
```

## Contract owner can change swap settings

```
function setSwapAndLiquifyEnabled(bool _enabled) public onlyOwner {
    swapAndLiquifyEnabled = _enabled;
    emit SwapAndLiquifyEnabledUpdated(_enabled);
}
```

## Contract owner can change the fees up to 100%

```
function setTaxFeePercent(uint256 taxFee) external onlyOwner() {
    _taxFee = taxFee;
    _previousTaxFee = taxFee;
}

function setLiquidityFeePercent(uint256 liquidityFee) external onlyOwner() {
    _liquidityFee = liquidityFee;
    _previousLiquidityFee = liquidityFee;
}

function setMarketingFeePercent(uint256 marketingFee) external onlyOwner() {
    _marketingFee = marketingFee;
    _previousMarketingFee = marketingFee;
}

function setBurnFeePercent(uint256 burnFee) external onlyOwner() {
    _burnFee = burnFee;
    _previousBurnFee = burnFee;
}
```

## Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _owner = address(0);
}
```

## Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {
    require(newOwner != address(0), "Ownable: new owner is the zero address");
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

# CONCLUSION AND ANALYSIS

## Recommendation:

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.



Smart Contracts within the scope were manually reviewed and analyzed with static tools.



Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.



Found 1 LOW issue during the first review.

# TOKEN DETAILS

## Details

Buy fees:	10%
Sell fees:	10%
Max TX:	5,200,000,000,000,000
Max Sell:	N/A

## Honeypot Risk

Ownership:	Owned
Blacklist:	Not detected
Modify Max TX:	Detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

## Rug Pull Risk

Liquidity:	N/A
Holders:	Clean



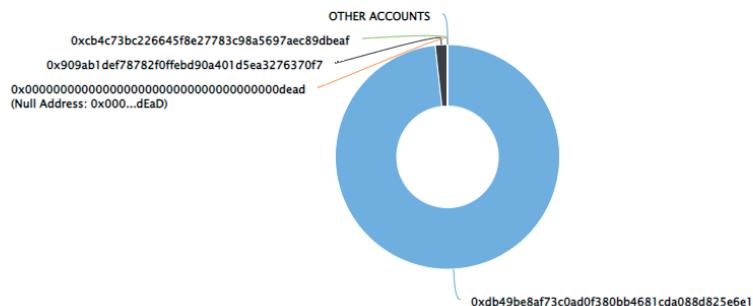
# BABY GRIMACE TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00%  
(519,999,999,999,999,000.00 Tokens) of Baby Grimace Coin

Token Total Supply: 520,000,000,000,000,000.00 Token | Total Token Holders: 1,475

Baby Grimace Coin Top 10 Token Holders

Source: BscScan.com



(A total of 519,999,999,999,999,000 tokens held by the top 10 accounts from the total supply of 520,000,000,000,000,000 token)

Rank	Address	Quantity (Token)	Percentage
1	0xdb49be8af73c0ad0f380bb4681cda088d825e6e1	510,979,999,999,999,000.777499999	98.2654%
2	0x909ab1def78782fffebd90a401d5ea3276370f7	9,020,000,000,000,000	1.7346%
3	0xcb4c73bc226645f8e27783c98a5697aec89dbeaf	44.07	0.0000%
4	Null Address: 0x000...dEaD	29.38	0.0000%
5	0xe5a8f32af9682d45b0e3b848d5d87244726ce40c	1	0.0000%
6	0xc88cb7b21b6161afacf6c3a020d04a4c359caee0	1	0.0000%
7	0x3839ac060ccfc1c39427cbd1b14db104f35a242d9	0.8525	0.0000%
8	0x88aa6d516ae25d9ed1611b4afc8e85cbafeeb889	0.8525	0.0000%
9	0xfb44acfbb5860e5994b5bcc0144334d0c177c40	0.8525	0.0000%
10	0xd6313803f0aaecbebc7578a361b7fc7ae0489506	0.8525	0.0000%

# TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.

