



LOW RISK

GRADE A+ · PROFESSIONAL

BitLab Coin Security Assessment

BitLab · Solana · SPL Token

CCVYpFakBd4kkwn7G4rvbpaiB5pGJwUpiNwNYrkC5ygQ

Our Auditors reviewed the Solana mint CCVYpFakBd4kkwn7G4rvbpaiB5pGJwUpiNwNYrkC5ygQ, identified as BitLab Coin (BitLab), and discovered the information below. A Two-Step process was used to analyze the smart contract source code; first using AI-powered security audit tools and then manually. No DEX pool or liquidity quote was found for this mint; the absence of observable tradable liquidity is consistent with a presale or unlisted state and must be confirmed on-chain before treating the asset as market-accessible. Mint authority is revoked, so additional supply cannot be created under the current authority configuration. No public rug designation appears on this mint address; that result is informational only and is not a safety guarantee. Residual exposure is dominated by listing status, off-chain project claims, and holder or distribution factors this review does not quantify.

LIQUIDITY	VERIFIED	BUY / SELL TAX	LP LOCKED
—	No	— / —	—

Identity

FIELD	VALUE
Name / symbol	BitLab Coin / BitLab
Address	CCVYpFakBd4kkwn7G4rvbpaiB5pGJwUpiNwNYrkC5ygQ
Network	Solana
Standard	SPL Token
Decimals	6
Supply	50000000000
Creator	—
Creation tx	—
Compiler	—
Optimization	—
Proxy	No
Implementation	—
Program ID	TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA
Bytecode size	—

Control matrix

STATUS	CONTROL	DETAIL
IDENTITY	—	—
INFO	Contract class	Classified as token from bytecode, source, and on-chain shape.
INFO	Token program	spl-token · TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA

STATUS	CONTROL	DETAIL
PASS	Token standard	Classic SPL Token.
OWNERSHIP		
PASS	Mint authority	Mint authority revoked.
PASS	Freeze authority	Freeze authority revoked.
PASS	Permanent delegate	No permanent delegate extension.
PASS	Mint-close authority	Mint is not closable via Token-2022.
PASS	Transfer hook	Not applicable. Classic SPL has no transfer-hook extension.
PASS	Default account state	Not applicable. Classic SPL (Tokenkeg) has no DefaultAccountState extension — new accounts start Initialized.
PASS	Pausable	No pausable extension.
PASS	Non-transferable	Transfers allowed by extension set.
PASS	Transfer fee	No transfer-fee extension.
PASS	Confidential transfers	Not enabled.
PASS	Metadata mutability	Metadata not flagged mutable.
TOKENOMICS		
WARN	Liquidity	No DEX pool or liquidity quote was found. Liquidity does not appear to exist yet — this is common in presale. Verify with the project and on-chain before treating this as a listed token.
MARKET		
WARN	Listed on a DEX	Not listed on a DEX. Liquidity does not appear to exist yet (possible presale). Verify before buying.
INFO	Pool age	No pool yet, so pool age does not apply (possible presale).
TOKENOMICS		
PASS	Insider wallets	No insider tags on top holders.
OWNERSHIP		
PASS	Balance-mutable authority	No balance-mutable authority flagged.
PASS	Mint closable	Not applicable. Classic SPL has no mint-close extension.
MALICIOUS BEHAVIOR		
PASS	Already rugged	Not marked rugged.

Smart Contract Security Vulnerability Checklist

Checks that apply to this mint: SPL Token, Token-2022 extensions, oracle/price, and DEX/liquidity. Program-only items (PDA, CPI, Anchor, remaining_accounts) are omitted — those apply to custom programs, not the mint account.

STATUS	CHECK	RESULT
S1. SPL TOKEN / TOKEN ACCOUNT		
PASS	Incorrect mint validation	Mint account was read on-chain. spl-token · TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA
N/A	Incorrect token-account validation	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.

STATUS	CHECK	RESULT
N/A	Incorrect token authority	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
N/A	Token-account substitution	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
N/A	Mint substitution	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
PASS	Freeze-authority abuse	Freeze authority revoked.
PASS	Mint-authority abuse	Mint authority revoked.
PASS	Unauthorized minting	Mint authority revoked.
N/A	Unauthorized burning	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
N/A	Unauthorized transfer	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
PASS	Unauthorized freeze	Freeze authority revoked.
PASS	Unauthorized thaw	Freeze authority revoked.
INFO	Token decimal mismatch	Decimals are the on-chain mint field. Pool/UI mismatch would be in the DEX, not this mint.
PASS	Token amount manipulation	No balance-mutable authority flagged.
N/A	Token-account ownership errors	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
N/A	Token-program substitution	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.
PASS	Token-2022 incompatibility	Classic SPL Token.
PASS	Transfer-hook exploitation	Not applicable. Classic SPL has no transfer-hook extension.
PASS	Transfer-fee manipulation	No transfer-fee extension.
PASS	Permanent-delegate abuse	No permanent delegate extension.
PASS	Token extension misuse	Classic SPL Token.
S2. TOKEN-2022	—	—
PASS	Transfer-hook vulnerabilities	Not applicable. Classic SPL has no transfer-hook extension.
PASS	Transfer-fee vulnerabilities	No transfer-fee extension.
PASS	Permanent-delegate abuse	No permanent delegate extension.
PASS	Default-account-state manipulation	Not applicable. Classic SPL (Tokenkeg) has no DefaultAccountState extension — new accounts start Initialized.
PASS	Non-transferable-token assumptions	Transfers allowed by extension set.
PASS	Confidential-transfer assumptions	Not enabled.
PASS	Metadata-extension manipulation	Metadata not flagged mutable.
PASS	Interest-bearing-token manipulation	Interest-bearing extension is not present on this mint.
PASS	Extension compatibility failures	Classic SPL Token.
PASS	Incorrect extension validation	Mint account was read on-chain. spl-token · TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA
PASS	Incorrect mint-extension assumptions	Mint account was read on-chain. spl-token · TokenkegQfeZyiNwAJbNbGKPFXCWuBvf9Ss623VQ5DA
N/A	Incorrect token-account extension assumptions	This address is the mint, not a program that transfers it. Token-account / mint substitution is a handler check on the program that moves tokens.

STATUS	CHECK	RESULT
S3. ORACLE / PRICE SECURITY		
INFO	Oracle manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Stale oracle data	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Invalid oracle account	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Oracle account substitution	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Incorrect price-feed validation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
N/A	Price-feed decimal mismatch	This address is an SPL / Token-2022 mint, not a custom program. Instruction-level account/PDA/CPI checks do not apply to the mint account.
INFO	Price manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	TWAP manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Spot-price manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Flash-loan price manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Missing confidence validation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Missing freshness validation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Oracle fallback manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
S4. DEFI / LIQUIDITY		
INFO	Liquidity manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Pool manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Reserve manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Share-price manipulation	This mint has no oracle account of its own. Spot price and TWAP live in the DEX pool, not in the mint. Review the pair separately.
INFO	Exchange-rate manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Flash-loan attacks	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Economic manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.

STATUS	CHECK	RESULT
INFO	Liquidation manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Collateral manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Reward manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Yield manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Fee manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	LP-token manipulation	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	LP-account substitution	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.
INFO	Incorrect liquidity accounting	The DEX pool is a different contract from this mint. Attacks on pool reserves, LP tokens, or share price would be in that pair — review the listed pair separately if one exists.

Findings

SEV	TITLE	DETAIL
INFO	No public rug mark on this token address	This mint is not marked as already rugged. That is a scan result, not a guarantee. · Remediation: Remediate on-chain and re-run this assessment before treating the finding as closed.
INFO	Mint authority revoked	No one can mint additional supply. · Remediation: Revoke mint authority or place it behind a timelocked multisig.

What these risks mean on Solana

OWASP's Top 10 is written for Ethereum-style contracts. Each row is the same risk, rewritten for this Solana mint.

STATUS	ID	WHAT THIS MEANS	THIS TOKEN
PASS	SC01	On Ethereum this is admin keys. On Solana we check mint, freeze, and permanent-delegate authorities instead.	Mint, freeze, and permanent-delegate authorities are not live on this mint.
INFO	SC02	This Ethereum class is about manipulating DEX/oracle prices. A token mint does not set its own price.	Price lives in the liquidity pool, not in this mint. Review the pool separately if this token is used as collateral.
PASS	SC03	Logic bugs live in custom programs. Classic SPL / Token-2022 mints use Solana's standard programs.	This mint uses a standard Solana token program, not custom mint logic.
PASS	SC04	Solana already rejects bad accounts. Extra risk appears if a transfer hook runs more code on every send.	No transfer hook. Sends do not run extra validation programs.
PASS	SC05	Ethereum reentrancy (calling back into the same contract) does not work the same way on Solana. Transfer hooks are the closest extra-call risk.	No hook. Transfers do not call extra programs.
PASS	SC06	On this mint, extra calls only happen if a transfer hook is set.	No extra program is called on transfer.

STATUS	ID	WHAT THIS MEANS	THIS TOKEN
INFO	SC07	Flash loans attack pools and prices, not the mint account itself.	This mint does not implement flash-loan logic. If the token is used as collateral, audit the pool/lending market separately.
PASS	SC08	SPL Token math lives in Solana's token program. A custom program would do its own arithmetic.	Supply math is in the standard token program, not in this mint's extra code.
PASS	SC09	A mint does not draw lottery-style randomness. This class matters for games and raffles, not a regular token.	Not applicable to this mint. No randomness used to mint or transfer.
PASS	SC10	On Solana, freeze authority, a paused mint, or a blocking transfer hook can stop people from sending.	No freeze, pause, or frozen-default setting that would halt ordinary transfers.

Solana Token-2022 extras

Optional mint features. PASS means this token does not have that extra power. FAIL or WARN means it does.

STATUS	FEATURE	WHAT IT DOES	THIS MINT
PASS	Permanent delegate	A hidden manager that can move anyone's tokens without the holder signing.	Nobody has a standing right to move holders' tokens.
PASS	Mint-close authority	Someone can shut down (close) the mint account itself.	This mint cannot be closed by an extra authority.
PASS	Transfer hook	Every send can call extra code that can block, tax, or rewrite the transfer.	Transfers do not run extra programs.
PASS	Default account state	New wallets can be created already frozen so they cannot send until thawed.	New token accounts are not frozen by default.
PASS	Non-transferable	Turns the token into something you cannot send (soulbound).	Holders can send this token.
PASS	Pausable	An authority can halt all transfers, like an emergency stop.	There is no pause switch on this mint.
PASS	Transfer fee	A cut can be taken from every send, set in the mint's fee config.	Sends do not take a Token-2022 transfer fee.
PASS	Confidential transfers	Balances and transfer amounts can be hidden with encryption.	Amounts on this mint are visible on-chain.
PASS	Metadata pointer	Name, symbol, and image can live at a separate account the mint points to.	No extra metadata pointer on this mint.

Top 10 Holders

#	WALLET	SHARE	TAG
1	iDohWSWLBurBg7Xs1GfoqjwbLfrQgXGPepk5s71vBdq	4.0%	—
2	ACJykTRBNJRQXkjqUHNXs2BE776DMH4mZeeTGGNEXN6G	4.0%	—
3	DajXsKvDP1AYu4vKwwgct6G8YhPYgNsX19a62ED8aVvJ	4.0%	—
4	4ChBvttfGA66uaihtKAo2t1HVoi26xt4QoRZ2mqj4tvp	4.0%	—
5	PZFwjwkpucS2UDobrzpgYNDm4NbPhn8hzreS9eSVwyS	4.0%	—
6	EDwD4Segiy44L1smyJK8kGX59eq1QbJ5VxZdtMs6wYeq	3.8%	—
7	7RSvV41H1LvEVhYZ1peWvLAXocC2PzQu8BLWYcMyhGtu	3.6%	—
8	3qFihzuw6BdMVC4HbQ4owHsEYGRs2pXE3huxzChuEMDm	3.6%	—
9	AJGJBuWTPp2eMLH6ZDK4qJ5ahU5tVXM8nybTiLxrwDfw	3.5%	—
10	ATRc2MKKVSHeQzmS9rH3ubjC8mu1V7NLdGeaxfas36oP	3.4%	—

Summary

SEVERITY	COUNT
Critical	0
High	0
Moderate	0
Low	0
Warning	2

BitLab Coin (BitLab) is an SPL token on Solana at mint CCVYpFakBd4kkwn7G4rvbpaiB5pGJwUpiNwNYrkC5ygQ, using the standard SPL Token program, with six decimals and a reported total supply of 50,000,000,000 base units. Identity is therefore that of a conventional mint rather than a custom on-chain program. Mint authority is revoked, which removes the ability for any party to increase supply through the mint authority path. No other authority findings were established in the supplied evidence; freeze-authority status and related controls are not asserted here. Liquidity does not appear to exist yet. That condition is common before or during a presale and is not framed as a confirmed market failure. Readers should verify any claimed listing, pool, or quote directly on-chain. Residual risk remains in unverified distribution, future pool setup, and any off-chain representations that sit outside this mint's on-chain controls.

Recommendations

#	ACTION
1	Verify on-chain whether any DEX pool or liquidity account exists for this mint before treating it as listed or tradable.
2	Confirm mint-authority revocation independently on a block explorer and retain the authority-status snapshot.
3	Inspect largest holder balances and concentration at the mint before relying on circulating-supply assumptions.
4	Treat all off-chain listing, presale, and allocation claims as unverified until matched to on-chain accounts and transactions.
5	Re-check freeze-authority and other token-extension settings on the mint account if those controls matter to your use case.
6	If a pool is later created, validate pool parameters, LP ownership, and lock or burn status on-chain rather than from project materials.
7	Do not infer safety from the absence of a public rug mark; reassess after any material change in authorities, supply, or liquidity.

Scope & methodology

SCOPE
Contract / program identity and deployment provenance
Ownership, roles, mint / freeze / pause / upgrade authorities
Tokenomics, supply, holders, liquidity concentration
Malicious-token behavior (honeypot, tax, blacklist, traps)
EVM vulnerability classes aligned to OWASP Smart Contract Top 10
Solana SPL / Token-2022 extensions and custom program risk

METHODOLOGY
On-chain RPC reads of bytecode, storage slots (EIP-1967), ERC-20 / SPL metadata, and Token-2022 TLV extensions.
Verified-source retrieval (Sourcify / Blockscout) followed by a dedicated static-analysis engine — not an LLM — covering OWASP Smart Contract Top 10 classes and token-trap patterns.

METHODOLOGY

Selector extraction from deployed bytecode to detect privileged entrypoints even when source is unverified.

Independent market and liquidity quotes from multiple public feeds; missing quotes are reported as coverage gaps, not zero liquidity.

Security-signal aggregation (honeypot simulation, mint/freeze authorities, holder concentration) with vendor names withheld from the sealed letter.

BitGuard synthesis of the already-computed evidence into an engagement letter. The model does not invent on-chain facts.

Disclaimer

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BitGuard Advanced Smart Contract Security Assessment. Automated static analysis, on-chain reads, authority mapping, manual code review, and multi-model review of publicly available data. This engagement snapshot is not a substitute for a human formal-verification review, legal opinion, or insurance underwriting. Privileged keys, upgrades, and off-chain operators can change after this report is sealed.