

Supply Chain Security Risk Assessment

According to C-TPAT Guidelines
Industry: Food Production
Date: 26/05/2025
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Assessment Table: Risk Identification & Mitigation

Area	Potential Threat / Vulnerability	Risk Level (High/Med/Low)	Control Measures in Place	Gaps Identified	Recommended Action(s)	Owner	Timeline
Raw Material Sourcing	Supplier substitution / tampering	High	Approved supplier list; COAs; contracts	Inconsistent vetting	Strengthen supplier verification; C-TPAT supplier audits	Procurement	3 months
Transportation Inbound	Unsealed trucks; cargo tampering	High	Seal checks; driver ID logs	No GPS tracking	Require GPS on high-risk shipments; seal training	Logistics	1 month
Receiving Dock	Unauthorized access	Medium	Access control; dock CCTV	Gaps in coverage during night shift	Extend CCTV monitoring to 24/7; revise shift controls	Security Supervisor	2 weeks
Storage / Warehousing	Theft, contamination	Medium	Secure access, pest control	Lack of temperature monitoring logs	Automate cold storage alerts; audit logs	QA Manager	1 month
Production Area	Insider threat / sabotage	High	Employee background checks; uniforms	Limited awareness training	C-TPAT-specific training for production staff	HR / Training	2 months
Finished Goods Storage	Product diversion	Medium	Inventory checks, restricted access	No RFID tracking	Introduce barcoding or RFID inventory controls	Warehouse Manager	3 months
Outbound Shipping	Smuggling risk	High	Tamper-evident seals; driver validation	No secondary inspection	Implement secondary checks before dispatch	Dispatch Team	1 month
IT & Records	Cyber tampering of records	Medium	Basic firewall, password policy	No encryption on sensitive data	Enforce encryption & secure backups	IT Dept.	2 months
Third-Party Contractors	Unvetted access to sensitive areas	High	Basic ID badges	No C-TPAT compliance verification	Require C-TPAT certifications or audits for vendors	Compliance Officer	2 months
Temporary personnel	Unvetted access to sensitive areas	Medium	Basic ID badges + personnel colored protective wear + training on access	Limited awareness training	Require proper training on access control	Compliance Officer	2 months

Scoring Guidance (Optional)

- Risk Level:** Based on Likelihood × Impact (H/M/L)
- Risk Matrix:**

Impact \ Likelihood	Low	Medium	High
High	Med	High	High
Medium	Low	Med	High
Low	Low	Low	Med