

Mandatory information on principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

S.1 Name Knaken Cryptohandel BV	N	Field	Content
S.2 Relevant legal entity identifier 724500LP3QC92JKTGV37 S.3 Name of the cryptoasset Loopring S.4 Consensus Mechanism Byzantine-Fault Tolerant (BFT) S.5 Incentive Mechanisms and Applicable Fees Byzantine-Fault-Tolerant (BFT) consensus mechanisms, such as Proof of Authority (PoA), Practical Byzantine Agreement (BA) or similar mechanisms, secure the network through a predefined set of validators who are trusted to validate transactions and add blocks to the ledger. Unlike open networks where anyone can participate (as in Proof-of-Work or Proof-of-Stake), BFT and similar mechanisms operate with known and vetted participants, often selected by a governing entity. Validators are incentivized to maintain the network's integrity through monetary rewards or external motivations, such as submitting invalid transactions or failing to participate in consensus, can result in penalties, removal from the validator set, or other repercussions, creating an economic and reputational deterrent to dishonest behavior. Validators reach consensus by verifying transactions and proposing blocks, and, as long as a majority of validators act honestly, the network remains secure. S.6 Beginning of the period to which the disclosure relates Mandatory key indicator on energy consumption S.8 Energy consumption (per year) in kWh 6205.738 Sources and methodologies	General information		
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Mandatory key indicator on energy consumption S.8 Energy consumption (per year) in kWh 6205.738 Sources and methodologies	S.6	Beginning of the period to which the disclosure relates	2025-07-27
S.8 Energy consumption (per year) in kWh 6205.738 Sources and methodologies	S.7		2025-08-09
Sources and methodologies	Mandatory key indicator on energy consumption		
	S.8	Energy consumption (per year) in kWh	6205.738
S.9 Energy consumption sources All indicators are based on a	Sources and methodologies		
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Last review: 2025-08-10