

## **Requirements for C-Sink traceability**

## Traceability

The C-Sink Registry lists realised C-Sink values with an individual ID serial number. Tracing is necessary to ensure the issuance, transfer and decommissioning of C-sink assets throughout the entire chain of custody. It must be ensured that traceability is not only technically given, but can also be visually represented. As an example, it must be easy for the validation and certification body to understand how a final C-sink value is reached and whether it can be certified.

This must be ensured for both products and C-sinks.

	GLOBAL C-SINK	English 🗸
Track your p	roduct All the way back to its source.	
	Track your product 🐭	
Stock (d 1779	Overview	Files 0
Biochar Standard: Global Blochar C-Sink	200 co_ere Emission Christian Roth Switzerland	
500 Tonnes (metric tonne)	Received stock 4 Stock Id: 1379 Potential	
Christian Roth Switzerland	Biochar 500.00 Tonnes (natric ton	ne) Received stock
Î	Transaction details	
Stock Id: 1377	Transaction Id: 1343 Quantity: 500.00 Tonnes (metri	ic tonne)
Biochar Standard: Global Blochar C-Sink	Standard: Global Biochar C-Sin Source company: Andreas Benz	ĸ
500 Tonnes (metric tonne)	Used to sent 1 Source batch Id: 1377	
1000 Tonnes (metric tonne)	20-02-2023 Created C Emissions	
Andreas Benz	Transportation emission	: 100 CO2
Switzerland	Inherited emission	:0 CO2
	Other emission	: 100 CO2
	Total added emissions	: 200 CO <sub>2</sub>

Figure 1: Product traceability

The physical product is recorded in the IT systems after successful certification. Tracing of quantities, possible changes of ownership and more can only take place with a login. Carbon Standards International knows all tracing details and can provide information to governmental companies or accreditation bodies if required.

The entire traceability is based on a two-way transaction verification whereby the sender records the transfer and the receiver has to confirm it.

Once the C-sink has been realised, the value is certified in tonnes of CO2eq (meaning carbon dioxide equivalent), recorded by the certification body and publicly listed.



	elotal CSINK	English
Tr	rack C-sink All the way back to its source.	
	Track C-sink 🤟	
Caink ki 1863	S2 cose	r Files ()
190 t CO <sub>2</sub> eq	S.C. Coper Enclasion Enclasion Enclasion Switzerland	
Catrik Id: 1363 Realized		
Switzerland	View product tracker > 190.001 CO <sub>201</sub> Received	stock
	Transaction details	
C-aink ld: 1167	Transaction ld: 1335 Product: Blochar	
190 t CO <sub>2</sub> eq Dunct to seer 1		t
	Quantity: 1901CO/eq	
10 t CO <sub>2</sub> eq	Global Cooling Service: Decommission         Physical product owner: Andreas B           Source batch Id: 1167         Source batch Id: 1167	enz
200 t CO₂eq	Reversed #* Transaction date: 20-02-2023	
• • • •	Emissions	
Andreas Benz Switzerland	Transportation emission	: 0 CO <sub>2</sub>
	Inherited emission	: 0 CO <sub>2</sub>
	Other emission	: 0 CO2
Caink Id: 1165	Total added emissions	: 0 CO <sub>2</sub>
	Claims	
200 t CO₂eq	Rejucted ×	
200 t CO <sub>2</sub> eg	Received stock 🕹	

## Figure 2: C-sink traceability

The buyer's certifier and the buyer itself may also be interested in how and whether the value of a C-sink is fully traceable. Details on tracing are visible depending on transparency settings and permissions, while the public registry does not show the complete chain of custody publicly, depending on the transparency level.

Recording possibilities in tracing depend on the registration and the role derived from it.