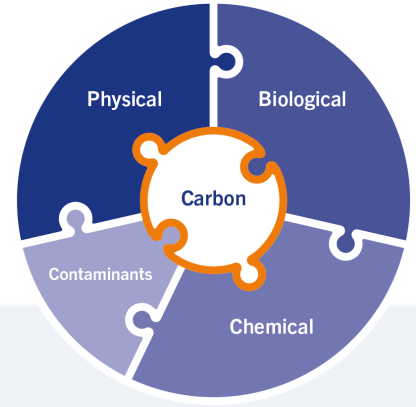


# Carbon Check

Carbon Check is part of Eurofins Soil Health Solutions. The healthier the soil, the better the contribution to Sustainable Development Goals.



## Name | Example Report

Soil Carbon Check Example Report  
Soil Carbon 4  
Sustainable Development  
GOALSrg

**Client Code::** LT0000038  
**Date Report:** 01/12/2022

**Date sampling:** 09/09/2022  
**Sample-/order number:**  
528-2022-09090001

**Soil layer:**  
0 - 30 cm  
**Density:**  
1221 kg/m<sup>3</sup>

**Contact Eurofins:**  
See QR code  
**Geo reference of sampled field:**  
See QR code

## 1. How much carbon is captured in my soil?

### Soil organic carbon (SOC)

this equals

### Carbon dioxide (CO<sub>2</sub>)

	kg per hectare	ton per hectare
Soil organic carbon (SOC)	130709	130.7
Carbon dioxide (CO <sub>2</sub> )	479702	479.7

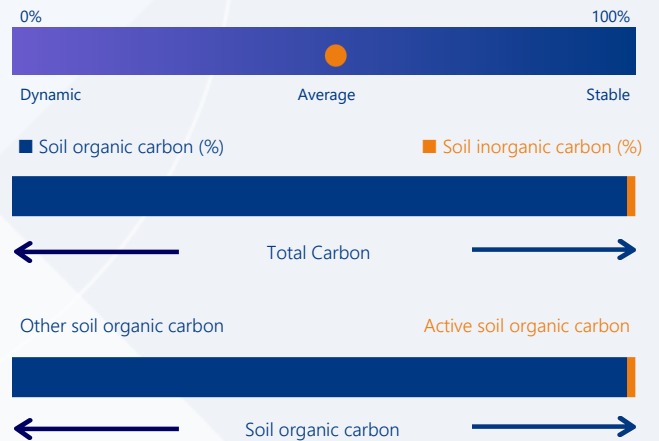
## 2. How stable is my soil carbon?

Soil organic matter (SOM)	6.90 %	251480	251.5
Carbon percentage in soil organic matter is	52 %		

Soil organic carbon (SOC)	3.60 %
Soil inorganic carbon (SIC)	0.05 %
Total Carbon (TC)	3.65 %

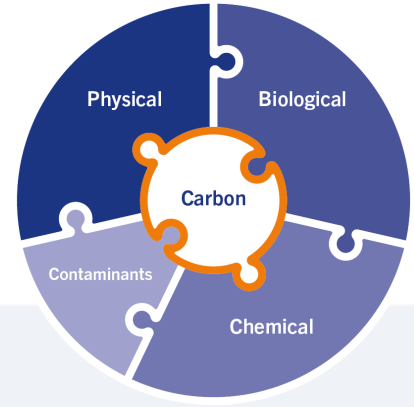
Active carbon	713 mg per kg
Active carbon percentage of SOC	1.97 %

C/N ratio	12/1
C/S ratio	79/1
Clay	2 %
Clay/SOC ratio	1/1



# Towards 4‰ soil carbon increase

If the amount of carbon stored by soils increases by 4 per 1000 (so 0.4% or 4‰) per year, the annual increase of carbon dioxide (CO<sub>2</sub>) in the atmosphere would be significantly reduced. This will slow down the greenhouse effect and prevent further climate change, as agreed in (among others) the Paris climate agreement (COP 21).



## 3. How can I improve soil carbon by 4 per 1000?

### Soil Organic Carbon Balance

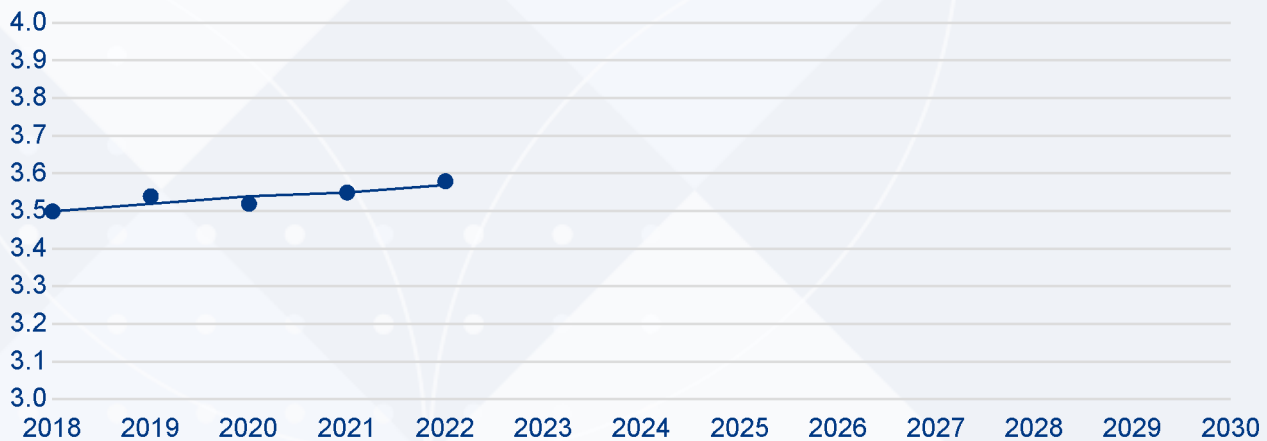


Current soil carbon status:	<b>130709</b> kg C per hectare	= 479.7	ton CO <sub>2</sub> per hectare
Output: expected breakdown (mineralisation)	<b>3268</b> kg C per hectare	= 12	ton CO <sub>2</sub> per hectare
<b>Input:</b> Input: needed to maintain soil organic carbon status	<b>3268</b> kg C per hectare	= 12	ton CO <sub>2</sub> per hectare
<b>Input:</b> Input: Additional input needed to improve by 4 per 1000	<b>523</b> kg C per hectare	= 1.9	ton CO <sub>2</sub> per hectare
<b>Total required carbon input</b>	<b>3791</b> kg C per hectare	= 13.9	ton CO <sub>2</sub> per hectare

Scan QR-code or follow hyperlink (email) to optimise your personal carbon management

## 4. How is my soil carbon content developing overtime?

### Soil organic carbon, %



In the last 4 years there is a significant increase in soil organic carbon %.  
The increase has been 2.4 ton CO<sub>2</sub> per hectare per year, so **2 carbon credits per hectare per year**.