

# Certificate of Analysis

Chalky soil TOC/ROC/TIC standard

Cat No. AEB2292 – Certificate no.

333413

## General

This Analytical Standard (OAS) consists of a homogenous batch of chalky soil for use as a routine working laboratory standard in the determination of TOC (total organic carbon), ROC (residual oxidizable carbon) and TIC (total inorganic carbon).

The analyses have been conducted according to DIN 19539 whereby:

TOC = TOC<sub>400</sub> Organic carbon measured up to 400°C

ROC Residual oxidizable carbon

TIC = TIC<sub>900</sub> Inorganic carbon measured 600 to 900°C

## Values and Uncertainty

Results shown are derived from an Interlaboratory (round-robin) exercise using equipment from a variety of manufacturers.

The uncertainty is expressed as k=1, 68% confidence limits (one standard deviation).

	<b>TOC</b>	<b>ROC</b>	<b>TIC</b>	<b>TC (sum)</b>
Mean Value (% w/	2.71	0.51	1.34	4.56
w) S.D. (%)	0.12	0.09	0.09	0.06

## Expiration

The values quoted are valid until **1<sup>st</sup> April 2029** within the measurement uncertainties specified. Should the sample become contaminated or altered in any way, the certification will be void.

## Storage and use

This OAS should be stored between 20°C to 25°C and should be kept tightly sealed away from light and moisture.

## Information

The technical aspects involved in the preparation, certification and issuance of this (In)Organic Analytical Standard (IAS/OAS) were carried out on behalf of Alpha Resources LLC, 3090 Johnson Rd. Stevensville, MI 49127 U.S.A. 269-465-5559  
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