

## Laboratory Approval Process – Global Artisan C-Sink Standard

Laboratories wanting to gain approval to carry out analyses used for certification purposes will need to undergo a quality control process. The quality and reliability of the analyses realized by a laboratory are verified through participation in a **laboratory approval process** organized by an external and independent quality assurance organization. DCC Delta Coal Control GmbH, Herten/Germany, is our partner for laboratory approval procedures.

### Approval Process

- Registration for laboratory approval with CSI
- According to the pricelist of CSI, after the registration a fee of EUR 300 is charged to the laboratory by CSI.
- Once a laboratory is signed up at Delta Coal Control to become an approved laboratory for Global Artisan C-Sink, Delta Coal Control will send a standardized sample to the “applicant” laboratory with the request to perform an analysis required for certification using the testing methods specified in the applicable standard.
- The “applicant” laboratory performs the analyses on the samples received as specified.
- The results are communicated by the lab to Delta Coal Control who compares them with baseline results.
- If the results of the “applicant” laboratory are the same – within a defined margin of error\* - as the results of Delta Coal Control, the “applicant” laboratory will be approved by CSI and it is allowed to do analysis for Global Artisan C-Sink certification purposes.
- CSI checks the external accreditation e.g. ISO 17025 and accredits the laboratory to the respective guidelines.
- Costs of the laboratory approval are charged to the laboratory by DCC Delta Coal Control GmbH
- After completed approval an annual fee of EUR 300 is charged to the laboratory by CSI.
- The approved laboratory is published on the CSI website as recommended laboratory for Global Artisan C-Sink.
- The laboratory approval process is repeated yearly.

To accredit laboratories which analyses biochar for Artisan Pro, the above procedure must be followed for the following parameters: C, H/C, ash, pH, and water holding capacity. DCC Delta Coal Control GmbH will provide a detailed description about the parameters and the analysis methods.

\*The difference between the results of the new laboratory and the accredited laboratory must not exceed 6% for each respective biochar.