



OPEN CALL FOR
Analysis of alternative Chlorophyll methods and justification for potential uptake in
(future) standards under CEN/TC 454 'Algae and algae products'

Specific agreement: SA/CEN/2016-04/ENER/C2/498-2016/SI2.735225

Background:

The European Commission (EC) and CEN have signed a contract (SA/CEN/2016-04/ENER/C2/498-2016/SI2.735225) under the Framework Partnership Agreement 2014. The project is titled: "Algae or algae based products or intermediates" and is related to the Standardization Request M/547 as regards algae and algae-based products or intermediates.

The objective of the project is to develop standardization deliverables in the Technical Committee **CEN/TC 454 'Algae and algae products'**, which was established in the beginning of 2017.

CEN/TC 454, working group 6 'Product Test methods' is currently developing a CEN standard (working title: "Algae and algae-based products or intermediates – Methods of sampling and analysis – quantification of chlorophyll"). This new method will be based on HPLC separation techniques, making as much as possible use of the current standards and methods available, however, the need arose to also look at alternative methods.

Objective:

Therefore, a study to alternative Chlorophyll methods will be conducted (either or not) applicable for algae (alternative to the currently developed Chlorophyll method/standard). This study concerns desk research only (no laboratory study is considered necessary (at this stage)). The need for this 'insight' has arisen in CEN/TC 454 WG 6 'Product Test Methods'. Though the method currently put in a standard is considered applicable and sufficient for algae, alternative methods (of which a couple have already been identified) could be useful and/or could have additional benefits for algae.

Task to be performed:

Conducting a study to alternative Chlorophyll methods (either or not) applicable for algae (alternative to the currently developed Chlorophyll method/standard). This study concerns desk research only (no laboratory study is considered necessary (at this stage)). Though the method currently put in a standard is considered applicable and sufficient for algae, alternative methods (of which a couple have already been identified) could be useful and/or could have additional benefits for algae. The outcomes of this study could be added as annex to the Chlorophyll standard now under development.



The dedicated expert task as defined here aims at contributing to the mandate on Algae and Algae Products or Intermediates (M547) and is considered of added value to the quality of the standard under development of CEN/TC 454.

Planning:

- Opening of tender procedure (35 days duration): 27 February 2019
- Start of task: +/- Beginning of April 2019
- Finalization of task: +/- summer 2019
- Reporting: Twice at WG 6 meetings (at beginning of the task and at moment of (draft) delivery of the final report).

Costs:

A budget needs to be provided, containing a clarification of hours to be spent, including travel expenses (for attending at least two WG 6 meetings in order to present about the dedicated expert tasks (see planning).

Consortium offers will also be considered. Offers can also be from a single person, which should however have a VAT number and a company registration.

Selection procedure:

The selection of the candidate who will perform the experiments will be made by a selection panel, which is composed of:

- Mr. Indra te Ronde (NEN), secretary of CEN/TC 454 'Algae and algae products';
- Mr. Bert van Asselt, Chair of CEN/TC 454 'Algae and algae products';
- Mrs. Jennifer Ogbonna (CCMC).



Selection criteria for the tendering process:

Selection of contractors will be based on the following criteria:

1) Documented experience (maximum 45 points):

- experience in running European or/and international test programs;
- experience in standards writing/drafting, in order to enable an easy uptake of (part of) the outcomes as Annex to the standard mentioned
- extensive experience with freeze drying and stove drying techniques on organic materials.

2) Organization; demonstration of ability and understanding of the project (maximum 40 points):

- organization for the reporting to NEN;

3) Quotation price and detail (maximum 15 points)

Additional points may be awarded if the tenderer can add additional value to the project. In general, a best value for money principle will be applied.

Only offers that pass the selection criteria of scoring minimum 35 points under 1) and 25 points under 2) are eligible for selection.

On the effective contract the "General Terms and Conditions for the Provision of Technical Services to NEN" shall apply. A copy of those can be delivered on request. The Contractor should also agree to the fact that the obligation of NEN to pay is subject to the normal functioning of the financing mechanisms of the Commission of the European Union and of the EFTA, also applicable to specific agreement SA/CEN/2016-04/ENER/C2/498-2016/SI2.735225.

Replies to tender:

- Applications should be submitted using the [attached application form](#) by **02 April 2019**. Applications received after the deadline will not be taken into consideration.
- Applications shall be sent by e-mail to indra.teronde@nen.nl.
- If necessary, additional information can be obtained via the CEN/TC 454 Secretary, Mr. Indra te Ronde.
- Candidates are herewith informed that interviews with the selection panel (by telephone/GoTo meeting) will be scheduled **on 5th of April 2019.**

Form - Answer to a call for Tender in compliance with FPA 2014

See attachment.