

Denmark-Kgs. Lyngby: Detection and analysis apparatus
OJ S 62/2021 30/03/2021
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Danmarks Tekniske Universitet — DTU

National registration number: 30060946

Postal address: Anker Engelunds Vej 1

Town: Kgs. Lyngby

NUTS code: DK01 Hovedstaden

Postal code: 2800

Country: Denmark

Contact person: Christian Vinther Torrendrup

E-mail: cvto@dtu.dk

Internet address(es):

Main address: <http://www.dtu.dk>

Address of the buyer profile: <https://eu.eu-supply.com/ctm/Company/CompanyInformation/Index/165863>

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Procurement of LECO Pegasus BT 4D TOF Mass Spectrometer with CF-modulator and L-PAL3 with Headspace

Reference number: 4909

II.1.2. Main CPV code

38430000 Detection and analysis apparatus

II.1.3. Type of contract

Supplies

II.1.4. Short description

DTU National Food Institute wants to procure a LECO Pegasus BT 4D TOF Mass spectrometer with a cryogen free thermal modulator and an L-PAL3 autosampler with headspace. The modulator is integrated in a Agilent 7890B gas chromatograph and the TOF MS. The TOF MS can scan from 0-1500 amu and with a scanning speed of up to 500 spectra

per second, the instrument is very suitable for GC x GC analysis. The modulator oven can independently be temperature programmed during the GC-run as well as the modulator time between 1s and 65s.

The ion source is open and with a 'StayClean' design. MS vacuum system can handle column flow up to 5 ml/min.

The Agilent 7890B GC has a split/splitless injector and has an extra FI-detector installed. LECO ChromaTOF software is capable of controlling the entire system and has an advanced, yet easy to use, deconvolution function for data management of GC x GC data. Software license for both instrument and off-line data handling. NIST 17 MS library is included.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 1 800 000,00 DKK

II.2. Description

II.2.2. Additional CPV code(s)

38433100 Mass spectrometer

II.2.3. Place of performance

NUTS code: DK01 Hovedstaden

NUTS code: DK Danmark

Main site or place of performance: Lyngby, Denmark.

II.2.4. Description of the procurement

DTU National Food Institute wants to procure a LECO Pegasus BT 4D TOF Mass spectrometer with CF-modulator and a L-PAL3 autosampler with headspace.

DTU National Food Institute's (DTU FOOD) laboratory has samples of all types of food, feed and food packaging, where complex matrix substances interfere with the compounds DTU Food wants to determine (organic environmental contaminants, process contaminants, pesticides, veterinary drugs and natural substances). For GC analyses, it is crucial that high chromatography separation is achieved together with high sensitivity in order to identify more compounds. Comprehensive 2D GC (GC x GC) is a technique that enhances separation, but in the past it has been very difficult to handle due to delicate setup and lack of powerful computers and user friendly software. Integration of different independent system modules has therefore been problematic, and has not been a satisfying solution for DTU Food.

This new generation GC x GC instrument is unique, as it solves the analytical chemistry challenges DTU Food is facing. The fast scanning TOF MS with high sensitivity is a key factor identifying unknown compounds in complex matrices. The integrated design of hardware and user friendly software with many automatic steps is essential in a university and research environment with many different users keeping the time spend on user training as low as possible.

The cryo focusing modulator without the use of nitrogen keeps cost down and makes it possible to have unattended analyses run overnight, which is a crucial functionality for DTU Food. Based on DTU Food's knowledge regarding the market of such instruments, it is DTU Food's assessment that other vendors cannot provide instruments that entail all of the required functions and criteria as described above.

The combined package of a closely integrated Mass Spectrometer, thermal modulator and a autosampler with headspace is thus the only reasonable solution for DTU Food, due to the following:

- one and only one software package controls the whole system;
- the combined system produce a higher throughput than otherwise possible;
- the system has an essential ability to run unattended overnight;
- DTU Food's technical staff are trained in this particular software which gives DTU Food a high quality assurance that otherwise would require disproportionate additional resources from DTU;
- DTU Food's technical staff are specifically trained in using this system, which is described and certified in our national and international quality assurance system, why introducing of a new system will require disproportionate additional resources by DTU FOOD on retraining and certifying such system.

II.2.5. Award criteria

Price

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Award of a contract without prior publication of a call for competition in the Official Journal of the European Union in the cases listed below

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
 - absence of competition for technical reasons

Explanation:

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user friendly software with many automatic steps is essential in a university and research environment with many different users keeping the time spend on user training as low as possible.

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- DTU Food's technical staff are specifically trained in using this system, which is described and certified in our national and international quality assurance system, why introducing of a new system will require disproportionate additional resources by DTU Food on retraining and certifying such system.

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2019/S 167-408695](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Contract No: 1

Title:

Procurement of LECO Pegasus BT 4D TOF Mass Spectrometer with CF-modulator and L-PAL3 with Headspace

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

27/09/2019

V.2.2. Information about tenders

Number of tenders received: 1

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: MSCi ApS
National registration number: 33580576
Postal address: Bøgesvinget 8
Town: Skovlunde
NUTS code: DK012 Københavns omegn
Postal code: 2740
Country: Denmark
The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 1 800 000,00 DKK

V.2.5. Information about subcontracting

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: The Complaints Board for Public Procurement
Postal address: Nævnenes hus, Toldboden 2
Town: Viborg
Postal code: 8800
Country: Denmark
E-mail: klfu@erst.dk
Telephone: +45 35291000
Internet address: <http://www.klfu.dk>

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:
Complaint that the contracting authority, contrary to the Public Procurement Act, has concluded a contract without prior publication of a contract notice in the European Union Official Journal must be submitted no later than 30 calendar days from the date after a contract award notice has been published by the contracting authority in the European Union Official Journal and that contract award notice includes the grounds for the decision to award the contract directly, cf. lov om Klagenævnet for Udbud (Complaints Board for Tenders) § 7, section 3.

VI.4.4. Service from which information about the review procedure may be obtained

Official name: Danish Competition and Consumer Authority
Postal address: Carl Jacobsens Vej 35
Town: Valby
Postal code: 2500
Country: Denmark
E-mail: kfst@kfst.dk
Telephone: +45 41715000
Internet address: <http://www.kfst.dk>

VI.5. Date of dispatch of this notice

25/03/2021