

**Finland-Tampereen yliopisto: Mass spectrometer
OJ S 162/2021 23/08/2021
Contract award notice
Supplies**

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: Tampere University Foundation sr

National registration number: 2844561-8

Postal address: Tampereen yliopisto

Town: Tampereen yliopisto

NUTS code: FI197 Pirkanmaa

Postal code: 33014

Country: Finland

Contact person: Antti Rostedt

E-mail: hankinnat@tuni.fi

Internet address(es):

Main address: <http://www.tuni.fi/en>

I.4. Type of the contracting authority

Other type: University Foundation

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Mass spectrometer based on proton transfer reaction

Reference number: TAU/1041/278/2021

II.1.2. Main CPV code

38433100 Mass spectrometer

II.1.3. Type of contract

Supplies

II.1.4. Short description

Tampere University Foundation sr (Tampere University, TAU) is asking for tenders for a mass spectrometer based on proton transfer reaction according this call for tenders and its attachments.

The criteria of the acquisition have been described in more detail in the invitation of tenders.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 405 000,00 EUR

II.2. Description

II.2.3. Place of performance

NUTS code: FI197 Pirkanmaa

II.2.4. Description of the procurement

High resolution mass spectrometer based on proton transfer reaction (PTR-MS). The instrument must have a continuously operating atmospheric pressure inlet, mass resolution power of at least 10000, and it must be feasible for mobile use. Furthermore, the instrument weight must be less than 250 kg, and power consumption less than 2 kW. The mass spectra must be obtainable with time intervals of 1 s or less.

The Aerosol Physics Laboratory of Tampere University (<https://research.tuni.fi/aerosolphysics>) studies air quality as well as the emissions of engines, vehicles and traffic. The studies cover experimental measurements in engine and vehicle laboratories and in aerosol laboratory, on-road exhaust measurements of individual vehicles in real-world driving environment, roadside and on-road measurements in urban environment as well as modeling studies. The PTR-MS is used to expand the measurement capability to real-time chemical characterization of reactive trace gases. It will be used both in laboratory installations as well as with the aerosol mobile laboratory platform ATMo-Lab.

II.2.5. Award criteria

Quality criterion - Name: Quality / Weighting: 70

Price - Weighting: 30

II.2.11. Information about options

Options: yes

Description of options:

- option to measure ambient ions and can be connected to high pressure chemical ionization sources

- the data analysis software with automatic chemical composition recognition library

The contracting authority reserves the right not to purchase any of the offered options.

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

Open procedure

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: yes

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2021/S 090-232459](#)

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

Title:

Mass spectrometer based on proton transfer reaction

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

29/07/2021

V.2.2. Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 2

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 2

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

V.2.3. Name and address of the contractor

Official name: Aerodyne Research, Inc.

National registration number: 04-2471226

Postal address: 45 Manning Road

Town: Billerica

NUTS code: US United States

Postal code: MA 01821

Country: United States

The contractor is an SME: yes

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

Total value of the contract/lot: 405 000,00 EUR

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: Markkinaoikeus

Postal address: Radanrakentajantie 5

Town: Helsinki

Postal code: 00520

Country: Finland

E-mail: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

VI.5. Date of dispatch of this notice

18/08/2021