



सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान  
CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE  
मैसूरु / MYSURU-570 020, भारत / INDIA

(Constituent Laboratory of CSIR, New Delhi (Ministry of Science & Technology)  
An ISO 9001:2008, ISO 14001:2004 & ISO 17025:2005, NABL Accredited Laboratory

**Corrigendum: Tender for Ultra High Performance Liquid Chromatography (UHPLC)**

**Corrigendum Title: Revised Technical Specification based on PBC**

**Tender Ref: CFTRI/52338/2023 Date: 16-06- 2023**

**Tender ID: 2023\_CSIR\_157769\_1**

The revised final specification based on the discussion in Pre Bid Conference held on 23-06-2023 @ 11. 00A.M is uploaded herewith.

All the prospective bidders are requested to take cognizance of the revised specification and submit their bids accordingly on or before 02.00 p.m. on 17/July/2023.

**All other tender terms and conditions of tender remain unaltered.**

**Controller of Stores &Purchase**

**CSIR-CFTRI, Mysore**

## Revised Final Technical Specifications for U-HPLC based on PBC

**1. Compatibility:** Should be compatible as a front end peripheral device for existing Sciex Mass Spectrometers installed in CSIR-CFTRI, Mysore, running on MS Windows 7 Operating System Software

(i) Model Sciex 5600 T-TOF with Analyst TF Version 1.7.1 Software; and

(ii) Model Sciex 6500 Q-TRAP with Analyst Version 1.6.3 Software; and should be controlled through single software.

**2. System Controller:** Should be capable of controlling solvent delivery unit, auto sampler and column oven.

### **3. Pump:**

High Pressure gradient mixing binary pump capable of handling two different solvents up to 18,000 psi.

Flow rate:  $\leq 50 \mu\text{l}$  -  $\geq 2 \text{ ml/min}$

Flow accuracy:  $\pm 1\%$

Precision:  $< 0.075\%$  RSD

Gradient mixing accuracy:  $\pm 0.5\%$

Sensor to detect leakage and pressure limit

Pump seal wash

**4. Degasser:** Should be capable of online degassing with minimal flow-line capacity.

### **5. Auto sampler:**

It should have capacity to withstand up to 18,000 psi.

Temperature control  $10\text{ }^\circ\text{C}$  to ambient

Injection volume: 1 - 40  $\mu\text{L}$  (any additional requirement to accommodate the injection volume of 40  $\mu\text{L}$  should be included)

Carry over: 0.008% or better

Needle cleaning (with different wash solvents, before and after injection)

Sample rack holder with vials 96 or above

**6. Column Oven:** Must have the capability to maintain up to  $85\text{ }^\circ\text{C}$

### **7. Columns:**

(i) C-18, 2.1 x 100 mm,  $< 2\mu$  (2 Numbers)

**8. Installation:** All required service accessories/consumable kits along with communication cables/firmware/device drivers, etc., are to be supplied by the vendor and installation/commissioning/integrating with the existing Analyst Software and all the required softwares/firmwares/cables/ etc. (as specified above) to be carried out by the vendor at CSIR-CFTRI, Mysore.

**9. Warranty:** Minimum One year from the date of satisfactory installation.