

LAMPIRAN - A1

RUJ: BME/A2K/(16'10)/2026/HTD (A20)

16/3/2026

ONE OFF PREVENTIVE MAINTENANCE SERVICES FOR ONE (1) UNIT OF HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) SYSTEM, BRAND: THERMO SCIENTIFIC, MODEL: ULTIMATE 3000, S/N:8080238, BME9950 AT FOOD CHEMISTRY LABORATORY, DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH.

SCOPE OF WORK

One-off preventive maintenance for one (1) unit of Thermo Scientific Ultimate 3000 HPLC, S/N: 8080238, BME9950 at Food Chemistry Section, Department of Scientific Services, Berakas inclusive of but not limited to:

- Scope to follow preventive maintenance manual/recommendation specific for the equipment, which include the following where necessary:
 - (i) inspection
 - (ii) cleaning
 - (iii) installation of PM kits, consumables and spare parts listed in spareparts list (Lampiran A2)
 - (iv) alignment
 - (v) calibration
 - (vi) any other related preventive maintenance works required.
- Functional check post-maintenance.
- Apply preventive maintenance sticker/tag after successful service.
- Disposal of any used spare parts/pm kits, unless otherwise instructed.
- Work on the system is to be carried out by engineer(s) authorised in providing maintenance to the equipment.
- Vendor(s) to submit maintenance checklist/details/scope specific for the equipment along with other necessary documents to join this tender.
- Upon approval, the earliest the preventive maintenance work can be carried out on the equipment is one month before the next PM due date, and not anytime earlier.

LAMPIRAN - A2

RUJ: BME/A2K/(1610)/2026/HTD (A20)

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	SPAREPART	PART NUMBER	QUANTITY
1	ONE TIME PREVENTIVE MAINTENANCE		1 LOT
2	MAINTENANCE KIT HPG-3X00RS	6040.1956A	1 EA
3	MAINTENANCE KIT WSP-SL/RS, 62MPA, VIPER	6840.1951	1 EA
4	PYRENE STANDARD FOR INSTRUMENT IQ	3327.0010	1 EA