

Republic of the Philippines
 University of the Philippines Mindanao
Mintal, Tugbok District, Davao City
Tel No. (082) 293-0016 local 103 Fax No. 293-0185

Date: 19 August 2015

ADDENDUM NO. 01-2015

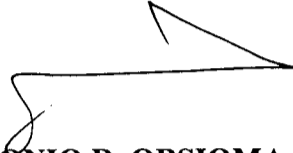
Name of Contract: **Supply of Laboratory, Research and Teaching Equipment**

This Addendum is issued to change the Delivery Schedule for Lot 3 from 45 calendar days to 60 calendar days and the Technical Specifications of Item #5 – Spectrophotometer Microtiter Plate Reader as follows:

Particulars	Revised Specifications
Item No 5 – Spectrophotometer Lot 2- Centrifuge and Spectrophotometers	<p>UV-VIS Spectrophotometer Real Double Beam Spectrometer-simultaneous measurement of sample and reference signals Wavelength Range from 190 to 1100 nm Fixed Spectral Bandwidth of 1.4 nm Quartz coated optics Fast scanning speed up to 12000 nm/min Pre-adjusted and voltage-stabilized light sources, easy access, easy to change by a separate lamp cover</p> <p>Optical System: Monochromator with imaging grating and aspheric quartz coated optics Internal Holmium oxide filter</p> <p>Light Source: Combination of Halogen and Deuterium lamp Lamp change selectable between 300 and 450 nm</p> <p>Scanning Mode: Scanning speed and data interval selectable Minimal integration time 1 ms</p> <p>Modes available: Energy, absorption, transmission, reflectance</p> <p>Sample compartment dimensions (WxHxD) not less than 364 x 185 x 260 mm for mounting of accessories, with carrying rails inside. Second cell position directly in front of the detector area for measuring turbid samples PC connection via USB Complete control of the spectrometer and the accessories by software Guarantees the GLP suitable operation up to the complete conformance with FDA 21CFR Part 11 Windows 7 compatible 32 bit and 64 bit software Automatic accessory recognition Self-Check System (SCS) to checking main device parameters for trouble-free operation of the analysis system</p> <p>Spectral Bandwidth fixed at 1.4nm UV Resolution (toluene-hexane) ≥ 1.6 Wavelength Accuracy (Deuterium line at 656 nm) ± 0.1 nm Wavelength Accuracy (with Holmium Oxide filter) ± 0.5 nm Wavelength Reproducibility (with Holmium Oxide filter) ≤ 0.02 nm</p>

Particulars	Revised Specifications
Item No 5 – Spectrophotometer Lot 2- Centrifuge and Spectrophotometers	Photometric Accuracy VIS at 546 nm with Neutral glass filter Hellma F4 $\pm 0.003A$ UV with Potassium dichromate according Ph.Eur. $\pm 0.01A$ Photometric Reproducibility ≤ 0.0005 nm Stray Light 198 nm (KCI Merck 1.08164.0001): $\leq 0.3\%T$ 220 nm (Nal): $\leq 0.03\%T$ 240 nm (Nal): $\leq 0.03\%T$ 340 nm (NaNO ₂): $\leq 0.02\%T$ Baseline Stability at 500 nm ≤ 0.0001 (RMS) Long-term stability at 500 nm ± 0.0005 A/h Scanning speed 12000 nm/min

For guidance and information of all concerned.



ANTONIO R. OBSIOMA, Ph.D.
 Chair, Bids & Awards Committee

Received by:

Signature over Printed Name