

**Purchase Request #2**  
**Regular Board Meeting March 26, 2019**  
**Consideration of Approval to Fourier Transform Nuclear**  
**Magnetic Resonance (FT-NMR) Spectrometer**

**ADMINISTRATION RECOMMENDATION/REPORT**

The District President recommends the Board of Trustees approve a contract to purchase a new Fourier Transform Nuclear Magnetic Resonance (FT-NMR) Spectrometer from Nanalysis Corp. for the Chemistry department.

**BACKGROUND**

The 2015 American Chemical Society Guidelines specify an operating NMR spectrometer as essential to excellent undergraduate Chemistry programs. A NMR spectrometer would significantly improve students' preparation for the workforce by developing a deeper understanding of course content, improving instrumental knowledge and practical skills, and providing empirical experiences emphasizing processes associated with scientific discovery and higher order thinking skills.

Invitation to bid (ITB) Number 4213 was issued to procure a new FT-NMR Spectrometer. Two (2) responses were received and evaluated by a team consisting of Chemistry faculty and staff who determined the bid submitted by Nanalysis Corp. would provide the best value to the District. The bid submitted by Nanalysis Corp. was determined to be both responsible and responsive to all solicitation requirements.

**IMPACT OF THIS ACTION**

The NMR spectrometer, useful wherever the identification and characterization of chemical compounds is required, will facilitate students' design of the experiment sequence, acquisition of required technical analytical instrumentation skills, and effective address of open-ended problems through self-directed learning. Frisco Campus is the only campus in the District that does not have an NMR spectrometer. The McKinney Campus implemented the FT-NMR spectrometer five (5) years ago, the Plano Campus over ten (10) years ago.

**BUDGET INFORMATION (INCLUDING ANY STAFFING IMPLICATIONS)**

This purchasing request is for spend authorization of \$52,025.00 which is budgeted in the Chemistry departments' FY19 operating budget and subsequent year's budgets subject to Board approval for the products and services described and in accordance with Board Policy CF (Local) and Texas Education Code Section 44.031.

**ATTACHMENTS**

Attachment 1 – Tabulation

**RESOURCE PERSONNEL**

Toni Jenkins

SVP Campus Operations Officer

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