



International Laboratory
Assessment and Accreditation

ACCREDITED LABORATORY

ILAA has accredited

Delta Technical Products Company
Des Plaines, Illinois

For technical competence in the field of

Maintenance & Instrument Services/Calibration

The accreditation covers the specific testing listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 – 2005 “General Requirements for the Competence of Testing and Calibration Laboratories.” This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements. Additionally, ISO 17025 meets the relevant requirements of TS 16949. Based on a Quality and Technical assessment, a rating of 960 out of a possible 1000 points has been issued to the laboratory. For the services to which this accreditation applies, please refer to the laboratory’s Scope of Accreditation.

Presented this August 1, 2006.

A handwritten signature in cursive script, reading "Darrell Klein", written over a horizontal line.

Darrell Klein
Vice-President

A handwritten signature in cursive script, reading "Michael Bird", written over a horizontal line.

Michael Bird
President
Certificate Number: 1703.01
Valid to 8/01/2008

SCOPE OF ACCREDITATION TO ISO/IEC 17025-2005
AND ANSI/NCSL Z540-1-1994
Delta Technical Products Company
1777 Busse Highway
Des Plaines, Illinois 60016
Michael Pizza Phone: 800-733-5820
Fax: 847-803-6686
Calibration

Valid to: August 1, 2008

Certificate Number: 1703.01

In recognition of the successful completion of the ILAA evaluation process, accreditation is granted to this laboratory to perform the following measurements.¹

Parameter/Equipment	Range	Best Uncertainty ² , (±)	Comments	
FLOW RATE (Volume)	5 to 5000 ml/min	0.14 % of Rdg	HPLC	
	0 to 35 ml/min	0.92 % of Rdg	Gas Chromatographs	
	100 to 150 ml/min	0.14 % of Rdg		
	>150 ml/min	0.10 % of Rdg		
TEMPERATURE	-20 TO 350 ° C	1.3 ° C	HPLC, and Gas Chromatographs	
PRESSURE	0 TO 5000 PSIG	0.31 % of Rdg	HPLC	
OPTICAL Wavelength: Spectral Range Spectral Band pass	241 nm to 635 nm	0.14 nm	Spectrophotometers and HPLC (CRM 100A, Holmium Oxide Solution)	
	0.1, 0.3, 0.5, 1, 2, 3, 5 nm			
	Spectral Range Spectral Band pass determination	240 nm to 642 nm		
		0.1 nm	0.33 nm	
		0.25 nm	0.29 nm	
		0.5 nm	0.29 nm	
		1 nm	0.29 nm	
	Transmittance: Spectral Range Optical Transmittance	250 to 635 nm	1.08 %, 1.01%, 0.64%	(CRM 500, Neutral Density Filters)
		10%T, 30%T, 90%T		
		Transmittance Density	0.0045A, 0.0043A, 0.0028A	
VOLTAGE	0 to 20 VOLTS		Mass Spectrometers ³	
	0 to 200 VOLTS	0.014 mv		
	0 TO 1000 VOLTS	0.143 mv		
		0.833 mv		

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- 1) This laboratory offers commercial, on-site calibration services.
- 2) "Best Uncertainty" is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine tests of nearly ideal measurement standards of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at approximately the 95% level of confidence, usually using a coverage factor of $k = 2$. The best uncertainty of a specific test performed by the laboratory may be larger than the best uncertainty stated above due to the behavior and limitations of the customer's device, environmental conditions, and to influences due to the specific measurement method.
- 3) Delta Technical Products Company performs validations based on
FDA guidance documentation "Guidance for Industry – Bioanalytical Method Validation, May 2001;
Delta Technical Procedures:
Standard Operating Procedure for the Preventative Maintenance of a Single or Triple Quad
Sciex Mass Spectrometer SOP#0103
Standard Operating Procedure for the Validation of a Single or Triple Quad Sciex Mass
Spectrometer SOP#0105

M. H. B. 8-1-06