

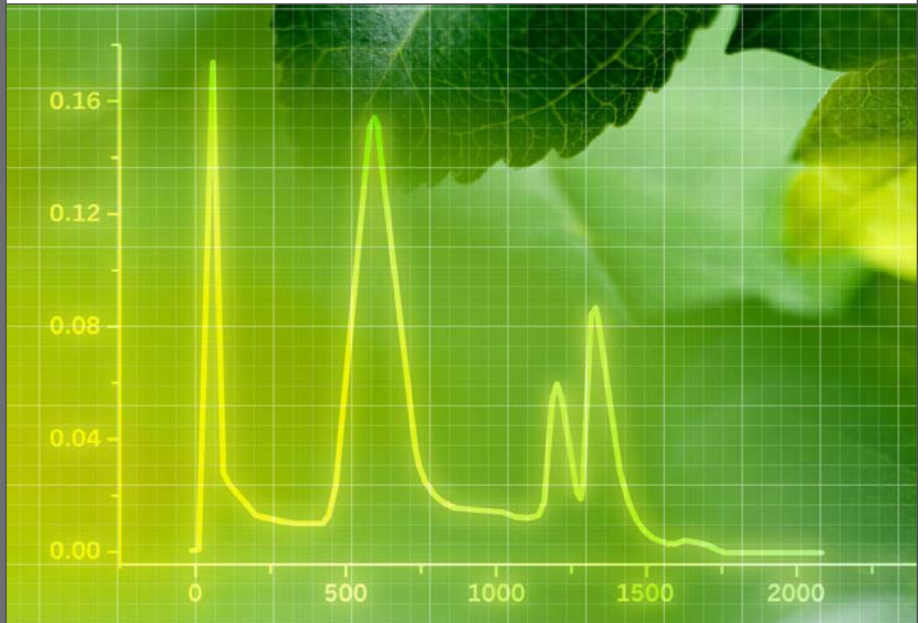
A workshop on  
issues, challenges  
and best practices  
for certificates of  
analysis for dietary  
supplements

sponsored by:



# Certificates of Analysis

for Dietary Supplements



Thursday  
June 23, 2005  
Salt Lake City, UT



**Certificate of Analysis**

per capsule:\*

.....	min. 560.0 mg
.....	min. 380.0 mg
Sardine, Anchovy & Mackerel).....	min. 290.0 mg
.....	min. 100.0 mg
.....	min. 10.0 mg
.....	Quantity Sufficient
.....	Variation may be necessary in order to achieve active claims

**Ingredients per 3 capsules:\***

Eicosapentaenoic Acid.....	340.0 mg
.....	225.0 mg
Docosahexaenoic Acid.....	200.0 mg
.....	890.0 mg
Gamma Linolenic Acid.....	284.0 mg
.....	500.0 mg

# P R O G R A M

<i>Time</i>	<i>Presentation</i>	<i>Presenter</i>
8:00 – 8:30 am	<b>Registration / Continental Breakfast</b>	
8:30 – 9:00 am	<b>Certificates of Analysis:</b> Regulatory and Liability Issues— Where Does Good Faith Reliance End?	<b>Loren Israelsen</b> Executive Director <i>Utah Natural Products Alliance</i>
9:00 – 10:00 pm	<b>Reference Materials for Certificates of Analysis:</b> Assuring Authenticity and Reliability	<b>Dr. Volker Christoffel</b> Director of Phytomedicine Research <i>Bionorica</i>
10:00 – 10:30 pm	<b>USP Designation:</b> Understanding and Verifying the USP Designator on Certificates of Analysis	<b>Bill Popin</b> Director of Research & Development, <i>Young Living</i> Chairman, General Chapters Committee, <i>USP</i>
10:30 – 10:45 am	<b>BREAK</b>	
10:45 – 11:30 am	<b>What Does this Certificate of Analysis Mean?</b> Common Problems and Issues Found on Certificates of Analysis	<b>Paula Brown</b> School of Health Sciences, <i>BC Inst. of Technology</i> AOAC General Referee for Botanicals & Dietary Supplements, <i>AOAC INTERNATIONAL</i>
11:30 – 12:30 pm	<b>Summary of Morning Session / Q &amp; A</b>	<b>Joseph Betz, Ph.D.</b> Director of Dietary Supplements Office of Dietary Supplements, <i>NIH</i>
12:30 – 1:15 pm	<b>LUNCH</b>	
1:15 – 2:15 pm	<b>Botanical Certificates of Analysis:</b> Challenges and Solutions	<b>Sidney Sudberg, DC, LAc, RH (AHG)</b> Director <i>Alkemists Pharmaceuticals, Inc.</i>
2:15 – 3:00 pm	<b>HPTLC as Part of Certificates of Analysis</b>	<b>Dr. Eike Reich</b> Laboratory Manager <i>CAMAG Scientific, Inc.</i>
3:00 – 3:20 pm	<b>BREAK</b>	
3:20 – 3:40 pm	<b>Case Study:</b> Saw Palmetto — Detecting Adulterance	<b>Bill Obermeyer, Ph.D.</b> Vice President for Research and Development <i>ConsumerLab.com</i>
3:40 – 4:00 pm	<b>Case Study:</b> Glucosamine — A Growing Problem	<b>Warren Majerus</b> Vice President, Quality Assurance <i>Pharmore Ingredient</i>
4:00 – 4:45 pm	<b>Toward a Uniform Certificate of Analysis for Dietary Supplements: Can it be Done?</b>	<b>James Neal-Kababick</b> Director <i>Flora Research Laboratories</i>
4:45 – 5:30 pm	<b>Summary of Conference / Q &amp; A</b>	<b>Joseph Betz, Ph.D.</b> Director of Dietary Supplements Office of Dietary Supplements, <i>NIH</i>

# Certificates of Analysis for Dietary Supplements

**Thurs: June 23, 2005**

**Huntsman Cancer Institute**  
2000 East Circle of Hope, 6th Floor  
Salt Lake City, Utah

## Registration Form

Complete and submit to: **Utah Natural Products Alliance**  
**Attention: Lindsay Wright** / email: [lindsay@unpa.us](mailto:lindsay@unpa.us)  
Tel: (801) 474-2571 / Fax: (801) 474-2571

### I. Fee Options

**One-Day Seminar**  
June 23: Certificates of Analysis for Dietary Supplements

	# of Attendees		Fees
<b>UNPA Members:</b>			
\$395 first person	1	x	\$395 = _____
\$195 each additional*	_____	x	\$195 = _____
<b>Non-UNPA Members:</b>			
\$595 first person	1	x	\$595 = _____
\$295 each additional*	_____	x	\$295 = _____
<b>Academic or Non-profit Organizations:</b>			
\$195 each person	_____	x	\$195 = _____
			<b>Total Fees</b> _____

\*From same company

**Special Offer! Two-Day Seminar**  
June 23: Certificates of Analysis for Dietary Supplements  
June 24: Contract Analytical Labs for Dietary Supplements

	# of Attendees		Fees
<b>UNPA Members:</b>			
\$695 first person	1	x	\$695 = _____
\$295 each additional*	_____	x	\$295 = _____
<b>Non-UNPA Members:</b>			
\$995 first person	1	x	\$995 = _____
\$495 each additional*	_____	x	\$495 = _____
<b>Academic or Non-profit Organizations:</b>			
\$249 each person	_____	x	\$249 = _____
			<b>Total Fees</b> _____

\*From same company

### II. Attendee Info: (No On-Site Registrations Accepted)

NAME (LAST, FIRST) \_\_\_\_\_

POSITION \_\_\_\_\_

ORGANIZATION \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

Will you be attending the post seminar reception at our offices?  Yes  No

### III. Payment Method:

Check:  Make payable to "UNPA"  
Please note "June Seminar" on the check  
Send payment to address below

Credit Card:  Visa  MasterCard  AMEX

CREDIT CARD NUMBER \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

SIGNATURE OF CARDHOLDER \_\_\_\_\_



safety, science and  
quality since 1991

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