

Cannabis Oil, Powder Processing & Tablet Manufacturing Process

Theory & Hands-On Laboratory Breakout Sessions

**December
7-8**
Telford, PA

***What you need to know for successful
cannabis tablet production***

**HANDS-ON
TRAINING SEMINAR**

Don't Miss This Intensive 2-day Training for the Cannabis Industry!

Producing tablets can seem like an overwhelming proposition. That's why Natoli has teamed up with other industry experts to bring you this comprehensive 2-day training course.

TOPICS COVERED:

- Tablet and tooling design fundamentals
- Cannabis oil to powder conversion techniques
- Formulation make-up for common tablet formats including sublingual, effervescent, lozenge, orally disintegrating tablet (ODT), chewables
- Powder micrometrics, powder flow, particle size, and moisture content testing
- Introduction to dry & wet granulation techniques
- Tablet press set up and operations
- Tableting compaction profiles

HANDS-ON TRAINING:

- Oil to powder processing using state-of-the-art equipment
- Tablet press set-up, operation, and troubleshooting



Natoli Scientific
100 Emlen Way Ste. 104-108
Telford, PA 18969
P: (636) 926-8900

**SEATING IS
LIMITED**
ASK US ABOUT
GROUP DISCOUNTS



**REGISTER
ON-LINE!**
natoli.com/cannabis-training

**COURSE FEE
\$1,800**



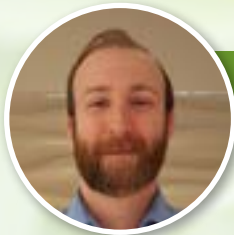
FEATURED SPEAKERS



ROBERT SEDLOCK

NATOLI SCIENTIFIC

Mr. Sedlock is the Director of Natoli Scientific. He is a leading expert in the tablet compression industry with over 20 years of experience, and has authored numerous technical articles for Pharmaceutical Technology and American Association of Pharmaceutical Scientists. Mr. Sedlock is responsible for global solid dosage customer support, training seminars, contract compression services, and continuous research.



JOHN STURGIS

NATOLI SCIENTIFIC

John Sturgis is a Technical Support Engineer for Natoli Engineering. His current responsibilities include tablet press training, product development training, tablet press calibration & maintenance, compression consulting, and technical sales. John's experience includes pharmaceutical solid dosage production, process scale up, pharmaceutical solid dosage development, data acquisition systems, and tablet press maintenance. John obtained his degree in Mechanical Engineering from Drexel University.



AL FRIEDRICH

ALEXANDERWERK

Mr. Friedrich is the National Sales Manager for Alexanderwerk Inc. His background has been extensively in the powder processing industry focusing on blending, drying, milling, separation, CIP/SIP systems and dry granulation technology. Mr. Friedrich has a Mechanical Engineering degree and an MBA from Rutgers University. At Alexanderwerk, his focus is on sales and development work in the technical center for the pharmaceutical and fine chemical industries.



DEVANG PATEL

NATOLI SCIENTIFIC

Devang Patel is a Senior Research Scientist at Natoli Scientific. He holds a Ph.D. and MS degree in Pharmaceutical Science from Long Island University, New York. He has more than 5 years of experience in formulating solid oral dosage form. Mr. Patel has expertise in resolving or providing guidance in various tableting issues like sticking, picking, etc. He is responsible for providing scientific and technical support to customer and generating application data for formulation and tablet tooling offered by Natoli. His prior experience includes Research Associate at Long Island University, Technical Scientist at Lannett Pharmaceutical, Scientist at Teva Pharmaceutical, and Formulation Scientist at Appco Pharmaceutical. He has contributed posters and peer-reviewed articles in the areas of tablet sticking, formulation, 3D printing, and nanotechnology. Mr. Patel has specialized experience in tableting and granulation.



RAHUL HAWARE

NATOLI SCIENTIFIC

Dr. Rahul Haware is a Pharmaceutical Material Scientist who is investigating the impact of the physico-mechanical properties of the pharmaceutical materials using his developed DM3 approach on the final pharmaceutical dosage form performance. This approach has been successfully applied in their various pharmaceutical processes like powder flow, mixing and compaction, as well as physical stability of pharmaceutical materials. The DM3 approach includes understanding interplay of the molecular and macroscopic properties of materials (M1) and critical manufacturing parameters (M2) using design of experiments (D) and multivariate analysis (M3). This is important in relation with the Process Analytical Technology (PAT) and the Quality by Design (QbD) paradigm issued by the US FDA. The molecular level understanding includes application of advanced analytical techniques like powder and single crystal X-ray diffraction, differential scanning calorimetry, thermogravimetric analysis, Fourier transform infra-red spectroscopy, near infrared spectroscopy, and molecular and crystallographic modeling. Dr. Haware has authored more than 40 peer-reviewed research papers, 3 book chapters, 10 invited talks, and 43 conference presentations. He has also attracted more than \$715,959 intra and extra-mural grants from various pharmaceutical industries, NIPTE, FDA, and NCBC as a PI and Co-User.

COURSE REGISTRATION

Cannabis Oil, Powder Processing & Tablet Manufacturing Process

Natoli Scientific | Telford, PA 18969

December 7-8, 2021

Individual Course Fee: **\$1,800** per person

Space is Limited! Early Registration is Recommended!

Name: _____ Job Title: _____

Company: _____

Street Address: _____ City: _____

State: _____ Zip: _____ Country: _____

Phone: _____ Fax: _____ Email: _____

Special Needs and / or dietary requests: _____

How did you learn about this course? _____

4 Easy Ways to Enroll!

1 Register online HERE!	2 Complete this form and mail to: 28 Research Park Circle, St. Charles, MO 63304 Attn: Training Coordinator	3 Complete this form and email the PDF to: training@natoli.com	4 Complete this form and fax to: 1 (636) 926-8910 Attn: Training Coordinator
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Payment Methods

Full payment in **US currency** is due no later than two weeks prior to the event. If payment has not been received, a credit card will be required to secure payment for course attendance.

Check - Please make check payable to Natoli Engineering Company P.O. Number: _____

Credit Card: Master Card Visa American Express

Card Number: _____ Exp. Date: _____ Security Code: _____

General Information

Event Fees Include: The course fee of \$1,800 per person (\$1,700 per person when registering two or more participants at one time) entitles each attendee to verbal instruction by leading industry experts, written training materials that will be an invaluable resource in the field, and the use of our cutting-edge machinery. Additionally, meals and other refreshments will be available for the entirety of the course. The event culminates with a dinner reception on the evening of the first day. Natoli will present an official certificate of attendance to each trainee to recognize their commitment to the continued development of their industry expertise.

Cancellations/Substitutions: Substitutions will be accepted without penalty if communicated in a timely manner. To receive a full refund, please notify the training coordinator no later than seven business days prior to the course. All cancellations received outside of 7 business days will be subject to a \$125 cancellation fee. However, we understand that life does not always go according to plan. If you are unable to attend, we will apply the remaining funds to the tuition for our next training event.

Course Confirmation: Confirmation of registration will be emailed to participants upon receipt of their form and successful payment. Final course details including a timed agenda, maps and other final course details will be emailed and available for download to all registrants approximately 14 days before the event.

Travel Information: Information regarding discounted hotel accommodations, airport transportation, and more will be sent via email with the course registration confirmation.

Notes: Natoli Engineering Company, Inc. does not anticipate any changes to this course; however, we reserve the right to alter the program and/or speakers without prior notice. In the unlikely event of course cancellation, Natoli's liability is limited to refunding only the course registration fee. Additionally, please note that this course will be taught exclusively in English.

HOTEL RESERVATIONS

Cannabis Oil, Powder Processing & Tablet Manufacturing Process

Tuesday, December 7 - Wednesday, December 8, 2021



Hotel offering you a special group rate:

Courtyard Philadelphia Lansdale for \$139 USD per night
Book your group rate for Natoli Scientific Training Room Block

Arrival: Monday - Night
Check out: Wednesday - Noon

You will find the information for your online reservation link below. If you have questions or need help with the link, please do not hesitate to ask. We appreciate your business and look forward to a successful event.

[Book your group rate for Natoli Scientific Training Room Block](#)

