



FREE WORKSHOP: IMPROVING BIOAVAILABILITY BY CREATING NANOEMULSIONS



Who Should Attend??

Lab Managers, Production Managers, Formulators, Extractors, R&D Staff and anyone concerned about nanoemulsion creation and size information!!!

Why: To gain insight into the creation of nanoemulsions in complicated systems with difficult materials. Technical presentation addressing issues such as:

- Methods used for nanoemulsion creation
- Advantages of high shear fluid processing instruments
- The benefits of smaller droplets for cannabis products
- Methods for particle size analysis

A Microfluidics M110-P and Microtrac NanoFlex will be available after the seminar for those wishing to see the latest approach to nanoemulsion creation and particle size analysis.

When & Where?

Date: Wednesday, July 19, 2017

Time: 12:00 PM – Meet & Greet
Snacks/coffee will be served

Location: Radisson Hotel

Denver Central

4849 Bannock Street, Denver, CO 80216

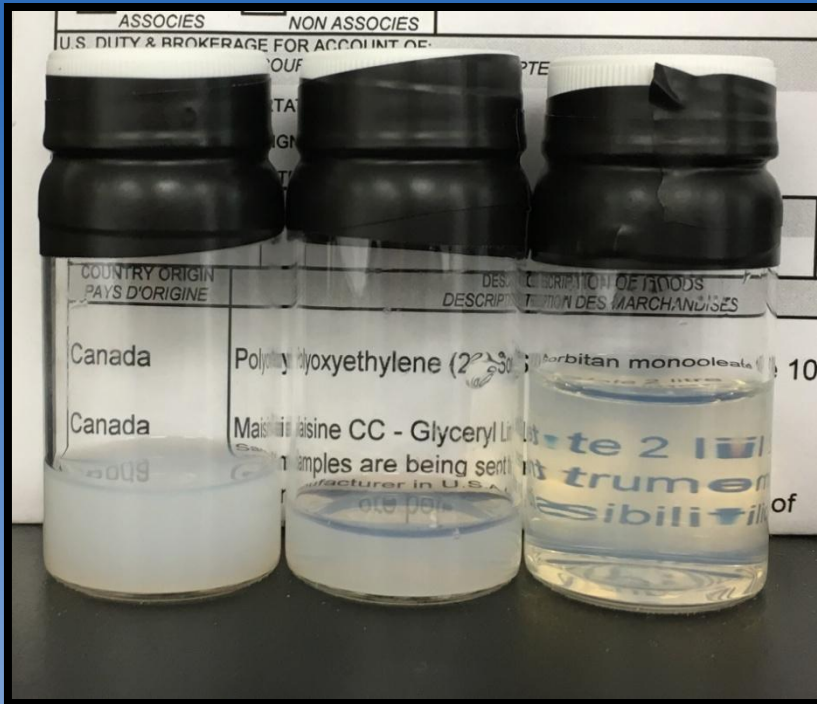
Presentation Duration:
Approximately 3 hours.

Speakers:

Gabi Carroll, Microfluidics, Regional Sales Manager: Gabriele Carroll has a Bachelor's Degree in Food Technology. She worked in the R & D department at Kraft Foods in Munich for 10 years before moving to the United States. She has been working at Microfluidics for 21 years in both the applications lab and sales management.

Steve Rapp, RGS Scientific, President: Steve Rapp (MS, Geology) is founder of RGS Scientific which provides sales, service, and distribution for a wide variety of scientific instrumentation and has represented Microtrac since 1996 and Microfluidics since 2004.

Improving Bioavailability by Creating Nanoemulsions



Preliminary Schedule:

1:00 pm – Gabi Carroll
Current Technology for
Nanoemulsion Creation

2:00 pm – Steve Rapp
Size Analysis of Nanoemulsions

**3:00 pm – Instrumentation
Demonstrations**

Gabi will discuss Microfluidics' High Shear Processors as a tool for creating nano-emulsions, encapsulations, and nano-sized dispersions for the Cannabis Industry, applications from bench-top to production scale. An emulsion will be created using a Microfluidizer, M-110P.

Steve will describe various methods of particle size analysis and discuss how these techniques are vital to optimize the creation of nano-sized dispersions for the cannabis industry. He will perform particle size analysis on the samples processed by Gabi using the Microfluidizer system and will show the particle size distributions before and after processing.

Following the presentations, we will demonstrate the M110-P and NanoFlex systems, as well as a software demo for our particle size analysis system. We can also answer any questions that current users might have about their systems or projects. The workshop and demonstration will conclude around 4:00 PM.

**Be sure to bring your business card in order to enter our
Door Prize Drawing!**

**You may be the lucky winner that takes home a bottle of
Stranahan's Colorado Whiskey!**

We will hold the drawing at the conclusion of the demonstrations.

(*Note: Winner must be 21 years of age with a valid ID and must be present to win.)



Reservations, please return this completed form via email with the requested information below to RGS Scientific, info@rgsscscientific.com. Please put "Nanoemulsion Seminar" in the subject line of your e-mail so that it is not mistaken for something else, and indicate how many will be attending. Feel free to distribute this notification as needed.

For further information please contact Tim Jochum at 303-944-7490 or Steve Rapp at 214-769-8498.

Seating is limited, so please register as early as possible. All RSVP's needed by 06/30/17 please.

☐ **Yes, I will attend**

☐ **No, can't attend, but please send me literature.**

Name _____ Company _____
Address _____ City _____ ST _____ Zip _____
Phone Number _____ FAX _____ Email _____