Roundtable Discussion

Stump the Experts

Presented by:

Joel Fischer
CTS Laboratory Manager
MOCON, Inc.
MOCON, Inc. Vision

To apply MOCON’s advanced technologies of test, measurement, and analysis to growing markets worldwide.
Major markets we serve...

- Barrier Packaging
- Consumer products
- Food & beverages
- Chemicals, coatings, adhesives
- Pharmaceuticals
- Biotechnology
- Medical Devices
- Automotive
- Oil & gas exploration
- Environmental
- National defense
- Worker safety
What we do...

- **Permeation** – \( O_2, H_2O, CO_2 \)
- **Consulting & Testing Services**
  - Specialized permeation testing
  - Organics
  - Package/material development
  - Shelf life studies
  - Solubility & diffusion measurements
- **Head Space Analysis**
- **Leak Detection**
- **Aroma, Odor & Flavor Analysis**
- **Heat Sealers / C.O.F.**
- **Industrial Gas Detection**
Joel Fischer & MOCON...

- 12+ Years as a Scientist – specializing in “non-typical” testing, including Unusual Samples, Organics, High Temperature, Pressurized, Refrigerated/Freezer Testing, and Permeability, Solubility and Diffusion Coefficient Measurements.

- Lab Manager – Oversee MOCON’s Standard Testing Services along with the Consulting and Developmental Services group.

- Developed New On-Site Training Program and Protocols for our Instrument Customers

- Work with new customers to determine best test methodologies and Equipment needs.

- Active with ASTM
What is permeation...
What is permeation...

[Graphs showing permeation rate over time and oxygen permeation vs temperature.]
Barrier testing...
Barrier testing...
Thank You

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Please remember to turn in your evaluation sheet...