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Apotek and Hydro Dynamics Team Together for Hops Extraction Using Cavitation

Rome, Georgia- Hydro Dynamics, Inc. (www.hydrodynamics.com), makers of innovative ShockWave Power Reactor (SPR) technology and Apotek Solutions, LLC (www.apoteksolutions.com), announced today that the companies have partnered for sales related to using the SPR cavitation technology for enhancing hops extraction. Hops are a high value natural product used industrially in many applications including nutraceuticals, antimicrobial agents, fragrances and most notably in the brewing industry. This partnership is the product of nearly 2 years of R&D spearheaded by Apotek and builds upon previous work by Hydro Dynamics using the SPR for extraction in other industries.

Harnessing the power of cavitation, the ShockWave Power Reactor uses the pressure fluctuations of cavitation in order to enhance extraction and increase yields of alpha acids and oils from hops. The SPR has been shown to increase yields by 20% or more providing an easily quantifiable return for potential customers. The effect has been measured both quantitatively and qualitatively, with customer feedback during trials indicating the SPR product to be superior.

"We see hops as a great progression of the extraction ability of the SPR technology", said Doug Mancosky, VP of R&D for Hydro Dynamics. "We are very excited to be working with Apotek Solutions and believe our technology combined with their expertise and experience make a great package for this application."

About Apotek Solutions

Apotek Solutions LLC, headquartered out of Northville, Michigan, has decades of expertise, experience, and innovation related to food and beverage processing systems. Their pragmatic engineering combined with keen business sense allows them to deliver customized solutions for customers that maximize value for each installation. Visit www.apoteksolutions.com for more information.

About Hydro Dynamics

Hydro Dynamics is the developer of a patented cavitation based process intensification technology enabling customers to solve critical mixing and heating problems. Reactors are operating on four continents in applications ranging from increasing biofuel production to processing food and consumer products. The ShockWave Power Reactor allows customers superior fluid processing technology, often increasing efficiency and overall profitability. Learn more at www.hydrodynamics.com.

