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### **Open Book Extracts & Biopharmaceutical Research Company Establish Research & Development Collaboration**

BRC's DEA registration allows Open Book Extracts and BRC to conduct formulation efficacy research across the full range of cannabinoids.

**Roxboro, N.C.** – Open Book Extracts (OBX), an NSF-certified manufacturer and distributor of the industry's most innovative and highest quality cannabinoid ingredients and finished products, today announces a collaboration with Biopharmaceutical Research Company (BRC). Under the terms of the collaboration, OBX will leverage BRC's research platforms, in order to develop research-backed formulations and products including Delta-9 THC.

From preclinical and first-in-human (FIH) dosage forms to optimization of formulations for late-stage development and market following clinical evaluation, OBX will work closely with BRC to develop the most appropriate formulation based on the physicochemical and biopharmaceutics properties of the cannabinoids of interest, the intended route of administration and the phase of development. The partnership with BRC also supports the study of Delta-9 THC products and formulations, allowing OBX to identify the phase appropriate, optimal products for formulations including Delta-9 THC.

“Current political and economic situations have created non-science-based products that are not serving today's consumers, and are not designed to fill the research gaps we desperately need to fill to legitimize the emerging anecdotal evidence,” said Dave Neundorfer, OBX CEO. “Companies that base their brands on the research-backed formulations guided by science and develop corresponding products will rule global market share, and recreate how we choose to find therapeutic relief along with relaxation and stimulation. We are excited to expand our research capabilities through our collaboration with BRC, in particular being able to add Delta-9 THC as a cannabinoid of interest for our formulation research.”

With a 76,000 sf. research and production facility near Durham, North Carolina, OBX has developed proven methods to efficiently manufacture a broad range of cannabinoids from hemp and natural sources, including CBD, CBN, CBC, CBG, CBGa, CBT, CBDa, CBDv, and THCV. OBX offers concept-to-market formulation and product development and manufacturing services, leveraging leading water soluble technology and unique delivery mechanisms to help its clients bring to market a wide range of finished goods, from core softgels, capsules, and gummies, to orally dissolving tablets, tongue strips, and aerosol sprays.

“BRC is pleased to partner with OBX, joining forces to further build the body of evidence to support the cannabis industry,” shares George Hodgin, BRC CEO. “It is time we investigate the real science, and develop products for brands that take our culture to the next step. It will take a concerted effort. Developing appealing and effective cannabis-based products requires a multidisciplinary approach in food and pharma chemistry. BRC is a one-stop-

shop for developing, modifying and improving these new products, and we're excited to work with OBX to help bring novel, well-studied, effective products to consumers everywhere."

For those interested in learning more about OBX's products and services, or how OBX and BRC can support your research and development needs, please reach out directly to Nicole Brown, Chief Innovation Officer, at [nicole@openbookextracts.com](mailto:nicole@openbookextracts.com).

#### **About Open Book Extracts**

Headquartered in Roxboro, N.C., Open Book Extracts is an NSF-certified manufacturer of premium cannabinoid products, aiming to be the industry's true north by delivering premium products, exceptional service, and industry-leading transparency. With control of the entire supply chain, a state-of-the-art extraction campus near North Carolina's Research Triangle, proprietary refinement and conversion methods backed by a growing IP portfolio, and a team of PhD chemists and seasoned business leaders, OBX is the trusted partner for global brands seeking to enter the marketplace.

#### **About Biopharmaceutical Research Company (BRC)**

Biopharmaceutical Research Company (BRC) was founded in 2017 to serve the needs of the pharmaceutical, research and biotech communities. In addition to our standard panels, our laboratory conducts specialty, tailored research projects for clients worldwide.