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Natural Products Insider

Exploring Sami Labs' Production in India

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For nearly 30 years, Sami Labs has been producing botanical extract ingredients in Bangalore, India. Over that time, the company has invested significantly not only in production facilities but building relationships with the farming community to ensure traceability of its offerings from farm to finished ingredients. Explore some of the facilities and farms showcased on a recent tour of Sami Labs' presence in the area, and how the company's strength in India supports its Sabinsa Corp. endeavors throughout the world.

Sami Labs is committed to producing its Curcumin C3 Complex® from sustainably-grown *Curcuma longa*, commonly known as turmeric. The company contracts with farmers in India and other countries to ensure the traceability and sustainability of its raw materials. The farms range in size from only an acre or two, up to extremely large footprints. As shown here, the farmers take pride in their land and their partnership with Sami Labs; the company contracts with its farmers to pay a set price, and honors its agreements even if the market value declines.



Sami Labs' Production Facility
Sami Labs' state-of-the-art production facility in Bangalore, India, uses more than 300 people each to ensure the highest quality raw materials and quality ingredients. Facilities are equipped for the production of Curcumin C3 Complex, other high-potency botanicals, and other natural products. The facility is ISO 22000 certified, HACCP compliant, and has a clean environment.



Sami Labs' Customized Extraction Line
Sami Labs has also invested in a custom extraction line for its Bangalore, India, facility. This state-of-the-art extraction line is designed to produce high-potency botanicals and other natural products. The facility is ISO 22000 certified, HACCP compliant, and has a clean environment.



Raw Processing of Turmeric at Site
Sami Labs has invested in a custom extraction line for its Bangalore, India, facility. This state-of-the-art extraction line is designed to produce high-potency botanicals and other natural products. The facility is ISO 22000 certified, HACCP compliant, and has a clean environment.



Production Line for Pigments & Extracts
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Sami Labs' Turmeric Cultivation
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Sami Labs' Production for Pigments & Extracts
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Production Process for Botanical Ingredients Continued

As the culture moves out of the bioreactors into larger fermentation vessels, it enters a completely closed system, from 1,000 liter tanks to the centrifuge that separates out the solids. The slurry containing the extract then moves from the production area into spray-drying.



Sami Labs' Facility for Supercritical Fluid Extraction

In Bangalore, India, Sami Labs' state-of-the-art facility for supercritical fluid extraction was developed in a collaboration between industry and academia. The company's eco-friendly technology yields a clean extract with high bio-activity. Here, raw extracts are separated by an evaporator that removes the carbon dioxide. The first extractor has separated out ginger oleoresin, while the second extract is ginger oil.



Sami Labs' Corporate Offices

Sami Labs' corporate offices in Bengaluru, India, focus not only on a full complement of customer service support and business managers, but the core research and development team. The company's nearly 200 R&D team are also working in India, similar to the one, with a range of equipment from HPLC and Mass Spec to GC and MS for understanding active compounds and ensuring ingredient identity and purity.



Research and Development Facilities of Corporate Headquarters

The Research and Development (R&D) facilities at the corporate headquarters are not only focused on ingredient development, but application as well. Product developers work on projects to provide guidance to manufacturing partners in areas such as dietary supplements, food/beverages, cosmetics and personal care. This dedicated lab is focused on the nutraceutical market, applying science to botanical ingredients to support their use in areas such as anti-aging and anti-cancer.