

## Green Coffee Extract and Ready to Drink Coffee

### Salient features

- Green coffee extract and its formulations for coffee product enriched with dietary polyphenols
- Green coffee is rich in phenolic acids, especially in chlorogenic acid (CGA)
- Enzymatic pretreatment with multienzyme complex for the extraction of polyphenols.
- Dietary supplementation of green coffee as a nutraceuticals agent in food formulations
- Ready to Drink coffee (Instant coffee cubes) with dietary polyphenols of 40 mg/6g cube.

### Advantages

- ✓ Eco-friendly, green technology.
- ✓ Potential health benefits for consumers.
- ✓ Instant coffee cube with light weight, portable, low in calories, pre-sweetened, without any artificial flavor, chemicals or additives.
- ✓ The instant coffee cubes can be used with boiled water, stirred and enjoyed.



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<i>More information</i>	<p><b>Status of commercialization / Patent / Publication</b></p> <p>Desai, N.M., Devandra, H., Basavaraj, K., Murthy, P.S. 2019. Microencapsulation of antioxidant phenolic compounds from green coffee. <i>Preparative Biochemistry and Biotechnology</i>, 49(4): 400-406.</p> <p>Desai, N.M., Joseph, G. and Murthy, P.S. 2019. Green coffee nanoparticles: optimization, in vitro bioactivity and bio-release property. <i>Journal of microencapsulation</i>, Under review.</p> <p>Desai, N.M., Martha, G.S., Harohally, N.V. and Murthy, P.S. 2019. Non-digestible oligosaccharides of green coffee spent and their prebiotic efficiency. <i>LWT- Food Science and Technology</i>, Under review</p> <p><b>Status of Technology Transfer</b></p> <p>The processes know how of the technology entitled “Green coffee extract” is transferred to Ms. Subbu’s Beverages &amp; Foods Pvt. Ltd., Bangalore for ₹ 5.90 Lakhs (Including GST) and awarded during “National Technology day” for the year 2018-19.</p>