Lipobead™ Detox with Coconut Charcoal MB

Coconut Charcoal with Low Carbon Footprint

Lipobead™ Detox with Coconut Charcoal MB

INCI: Mannitol (and) Cellulose (and) Charcoal Powder (and) Hydroxypropyl Methylcellulose (and) Caprylic/Capric Triglyceride

CAS #: 69-65-8, 9004-34-6, 7440-44-0, 9004-65-3, 73398-61-5

EC #: 200-711-8, 232-674-9, 231-153-3, N/A, 277-452-2

Mess Free

Maintain Clear or White Formulations

Striking Visual Effect – Calling Attention to Active Ingredient

Detoxifying

Sustainable Footprint

Recommended applications

Skin Care
Facial Care

Hand Soaps

Shampoos

Body Washes & Scrubs

The new Lipobead™ Detox with Coconut Charcoal MB takes detoxification to a new level. Vantage™ has sourced Activated Charcoal from coconut shells with the smallest carbon footprint currently available globally.

Skin is exposed daily to pollutants, dirt, excess oil and toxins that if not captured and neutralized can cause inflammation, discoloration and premature aging. Lipobead™ Detox with Coconut Charcoal MB was designed to help absorb and neutralize contaminants by purifying the skin and keeping it clean and radiant. Lipobead™ Detox with Coconut Charcoal MB is spherical delivery system that allows formulating with all the benefits of Activated Charcoal without having to create a dark formulation. It also makes working with Activated Charcoal easier in the manufacturing plant, when using this dust-free version of charcoal.

Lipobead™ Detox with Coconut Charcoal MB is a small black bead that incorporates Activated Charcoal into the matrix of the dry Lipobead™. The matrix is composed of naturally derived cellulose. Once formulated into a product with a minimum of 15% free water, the Lipobead™ will soften. When the formulation is applied, the Lipobead™ will rub out completely and deposit the Activated Charcoal onto the skin to help draw out dirt, oil and toxins while minimizing the appearance of pores.

Not all Activated Charcoals are created equal. Create responsible and sustainable products using Lipobead™ Detox with Coconut Charcoal MB.

CERTIFIED SUSTAINABLE PALM OIL RSPO MIXED

China IECIC 2015

VEGAN

Vantage

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Typical Properties	Lipobead™ Detox with Coconut Charcoal MB
Size	700 microns avg.
Color	Black*
Recommended Use Level	0.5-5%

*Variations in color of dry beads are normal. In a particular lot, dry beads may show various degrees of color from white spots to light and dark coloration on the surface. Upon hydration, beads will appear uniform in color.

Formulation Guidelines

Lipobead™ Detox with Coconut Charcoal MB is very easy to work with when formulating and processing. Some simple guidelines should be followed to optimize the stability and utility of the final product. Lipobead™ Detox with Coconut Charcoal MB requires approximately 4 to 6 hours to completely hydrate and soften. For complete hydration of the Lipobead™ Detox with Coconut Charcoal MB, a minimum of 15% free water is required in the formulation.

Lipobead™ Detox with Coconut Charcoal MB is the most stable at pH levels between 6.5-8.5. Add Lipobead™ Detox with Coconut Charcoal MB close to room temperature, below 25°C. A rheology modifier with sufficient yield may be necessary to keep the encapsulants suspended.

Sustainability – Eco-Charcoaling

Vantage™ sources the Activated Charcoal raw material from Coconut Shells, which would otherwise be discarded. The Eco- Charcoaling Process is patented and features the smallest carbon footprint of any activated carbon currently available in the market. The process is eco-friendly by reducing the release of noxious gases into the environment. Instead, the gases and heat produced during the process are captured and used to generate electricity to run the manufacturing plant and any excess is supplied to the national grid to reduce fossil fuel usage and increase efficiencies.

Calculated Environmental Savings:

- Preventing the release of 890 tons per year of Methane gas, which is typically released during traditional charcoaling, into the atmosphere; equivalent to 18,700 tons of CO_2 per year.
- Substituting Fossil Fuel based power generation by this renewable process to prevent a 32,000 tons per year of CO_2 from being released to the atmosphere.
- Preventing greenhouse gas emissions estimated to be eight tons for every ton of activated carbon produced.

The manufacturing of the Coconut Charcoal promotes Social Responsibility with employment opportunities, entrepreneurship and empowerment in rural areas.

- Eco-charcoaling process - The coconut shells are converted into charcoal by a mechanized, pollution-free and carbon- neutral process.

18,700 metric tons of CO_2

- Green charcoal activation process: uses waste gas as a fossil fuel substitute

17,664 metric tons of CO_2

- Re-utilization of traditionally air-released material
- Optimized used of raw materials (coconut shells)
- Process optimization

11,250 metric tons of CO_2