TOA-MBR C10

- A potential candidate of micro plastic beads alternative from Carnauba wax -

What is Carnauba wax:

Carnauba wax is isolated from leaves from Copernicia cerifera that is the palm family tree. Copernicia cerifera is grown in northern Brazil, Argentine and Paraguay which are arid zone.

Since it grows slow, it takes about 15 years to obtain wax. 300g of Carnauba wax is obtained from 1 tree. The high quality of carnauba wax is from a tip of leaves, and it is 20% in total wax quantity.

TOA KASEI Technologies for natural waxes:

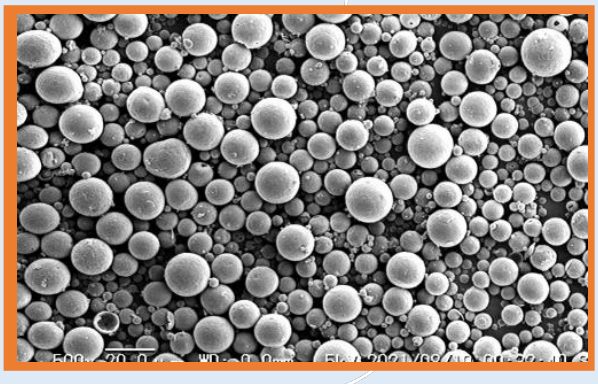
- Blending: Uniform the quality
- Purification : Enhance performance
- Separation : Create suitable waxes for each application

Unique technology for TOA-MBR C10

- Narrow particle size distribution and particle size control
- No chemical process

Product description:

- INCI：Copernicia Cerifera (Carnauba) Wax
- Chinese INCI : 巴西棕榈树（COPERNICIA CERIFERA）蜡
- CAS RN : 8015-86-9



Application:

Skin care products Make up products

Recommended dosage:

1-10%

Guide formulation - Face Powder

	INCI	w/w%
A	Copernicia Cerifera (Carnauba) Wax	10.00
A	Mica	59.00
A	Kaolin	10.00
A	Zinc Stearate	5.00
A	Zea Mays (Corn) Starch	3.50
A	Tapioca Starch	2.50
B	Butyrospermum Parkii (Shea) Butter	2.50
B	Ethylhexyl Stearate	1.00
B	Helianthus Annuus (Sunflower) Seed Oil	1.00
B	Prunus Amygdalus Dulcis (Sweet Almond) Oil	0.10
B	Squalane	0.10
B	Caprylic/Capric Triglyceride	0.10
B	Ethylhexyl Palmitate	0.10
B	Tocopherol	0.10
A	Titanium Dioxide	3.00
A	Iron Oxides	2.00
	Total:	100.00

Performance of TOA-MBR C10

1. **Improvement of texture**
2. **Long lasting**

Process

1. **Mix A well**
2. **Mix B well**
3. **Add B to A and mix well**

Guide formulation - Liquid Foundation

	INCI	w/w%
D	Copernicia Cerifera (Carnauba) Wax	5.00
A	Dimethicone、Dimethicone/PEG-10/15 Crosspolymer	6.00
A	Cyclopentasiloxane、Dimethicone/Vinyl Dimethicone Crosspolymer	2.00
A	Dimethicone	2.00
A	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	1.00
A	Cyclopentasiloxane	23.00
A	POLYGLYCERYL-2 TRIISOSTEARATE	8.00
B	Pigments	8.00
C	Dipropylene Glycol	2.00
C	Sodium Citrate	0.20
C	Sodium Chloride	1.00
C	Water	41.80
	Total:	100.00

Performance of TOA-MBR C10

1. **Reduce oily texture**
2. **Long lasting**

Process

1. Heat A and C at 80℃ and mix well
2. Add B and disperse well
3. Add C to A+B and Homogenize at 8,000 rpm for 8 min.
4. Add D at colling process (40℃) and disperse well

- **TOA KASEI have not carried out stability test for above formulations.**
- **TOA KASEI does not guarantee free of intellectual properties, please respect the patent in each countries.**