

MBDP-6

- Marine biodegradable material-

What is MBDP-6 :

MBDP-6 is a powder which is produced by RALSTONIA EUTROPHA.

The unique properties of MBDP-6 is high marine biodegradability, unique shape and softness of the powder.

It would have high potential to provide soft focus effect, smooth texture and long-lasting effect of make-up products.

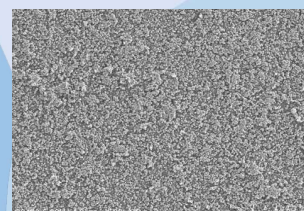
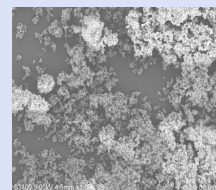
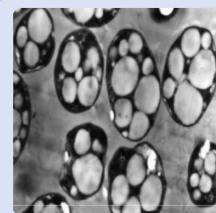
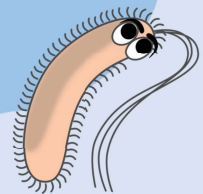
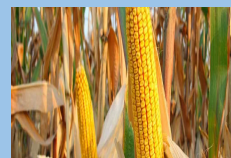
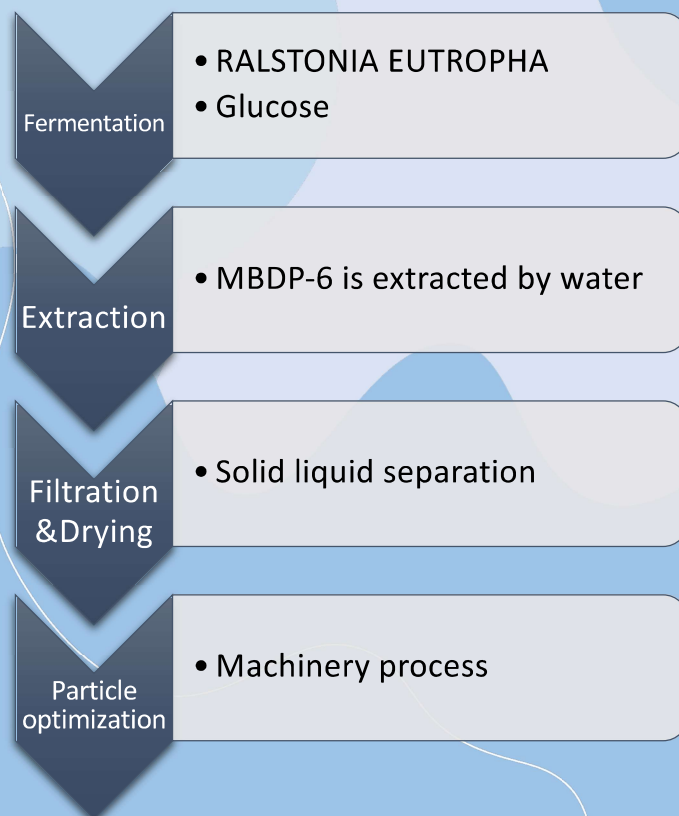
Product description :

- INCI : Hydroxybutyric Acid/Hydroxypentanoic Acid Copolymer
- Average Particle size (d50) : 6 um
- Melting point: 175-180 centigrade degree
- Cas number: 80181-31-3

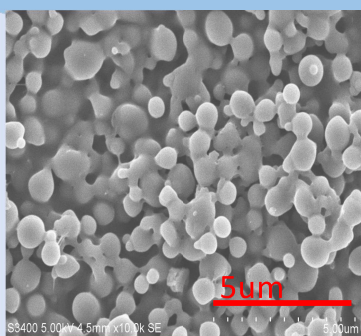
Properties :

- Soft focus effect
- Texture improvement
- Long lasting effect

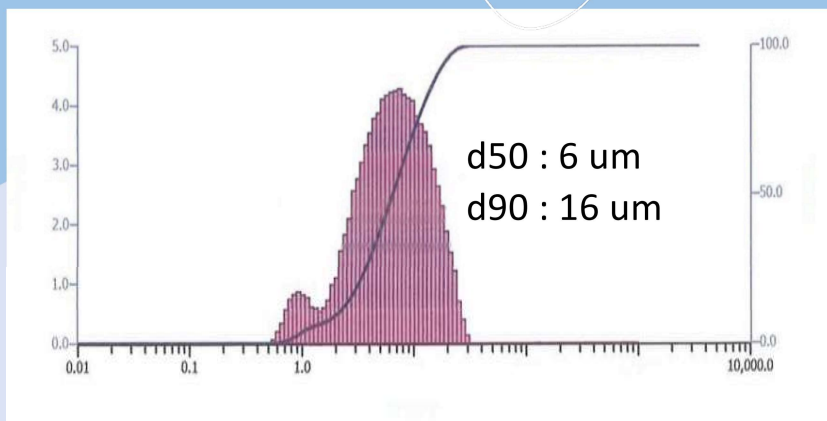
Manufacturing Process of MBDP-6 :



MBDP-6 particle size distribution



Microscopy picture of MBDP-6



Wrinkle erasing Cream

#	INCI	w/w%
C	Hydroxybutyric Acid/Hydroxypentanoic Acid Copolymer (MBDP-6)	5.00
A	Sunflower Seed Oil/Hydrogenated Sunflower Seed Oil Esters	2.0
A	OLIVOIL GLUTAMATE EMULSIFIER (SODIUM OLIVOIL GLUTAMATE, CETHYL ALCOHOL, GLYCERYL STEARATE)	5.0
A	OLIVE SQUALANE	12.0
A	CETYL ALCOHOL	5.0
B	GLYCERYN	5.0
B	Water	65.7
C	Phenoxyethanol	0.3
	Total:	100.00

Performance of TOA-SPR 2

1. Soft focusing

Process

1. Heat A and B at 80°C and add A to B.
2. Homogenize at 8,000rpm for 7 min.
3. Add C at cooling process at 40°C and homogenize.

- 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.

Recommended dosage :

1-30%

Application :

Skin care products Make up products

Suitable pH in formulation :

4-8