

NutraColour™

Natural Color Series

HSF NutraColour™ Natural Color Series

Colors Goes Natural !

Like other food ingredient categories, the colors area has exploded with new naturally derived ingredients to satisfy the growing demand.

Thanks to years of continuous R&D investment and accumulated experience in production and marketing, especially in Blending & Premix and Micro-encapsulations, HSF presents its Natural Color Series under the new brand NutraColour™, which further improve its stability and convenience during processing, storage, shelf life throughout a variety of applications.

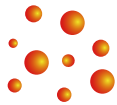
Production Process of Micro-encapsulation Solid Powder

Apply bipolar emulgator, achieve lipid soluble functional ingredients nano-emulsification by means of ultra-high speed shearing and ultra-high pressure homogenization. Then embedded in food grade materials, after spray drying, finally form micro-capsulated granule.

Sustained Release, Pelleting and Coating Technology

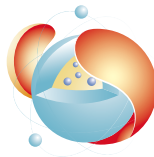
Apply pelleting technology in raw powder functional materials to form raw granular functional materials (core materials), then coat the granules through spraying and finally form micro-encapsulated granules.

Traditional Products



Raw materials

HSF Micro-Encapsulation Solid Powder



Apply advanced fluidized bed coating technology to realize the single/multiple processing in powdered micro-encapsulation.

HSF Micro-Encapsulation Granules



Apply various pelleting technology, promote bioavailability after micro-encapsulation.

Advantages

- Retain the activity of nutrients
- Improve water solubility
- Excellent particle size distribution and fluidity
- Sustained release of functional ingredients
- Mask the odor and bitter taste of core materials
- Improve the stability of light, PH and oxidation reaction
- Convenient for transportation and application



ISO22000



ISO9001



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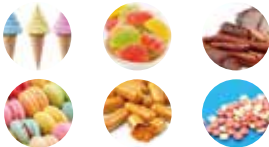


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Powders

Product Name	Specification	Type	Application
Lutein Powder	10%、20%、70%、80%	Fine Powder	Food, Health Care, Pharma, 
Lutein Ester Powder	10%、20%、60%	Fine Powder	
Zeaxanthin Powder	5%、10%、20%、70%	Fine Powder	
β-Carotene Powder(Fermented)	96%	Fine Powder	
Lycopene Powder(Fermented)	96%	Fine Powder	
Curcumin Powder	95%	Fine Powder	

Oil Suspension

Product Name	Specification	Type	Application
Lutein Oil Suspension	20%	Oil Suspension	Food, Health Care, Pharma 
Lutein Ester Oil Suspension	20%	Oil Suspension	
Zeaxanthin Oil Suspension	20%	Oil Suspension	
β-Carotene Oil Suspension(Fermented)	30%	Oil Suspension	
Lycopene Oil Suspension(Fermented)	6%、10%	Oil Suspension	
Astaxanthin Oil Suspension	5%、10%	Oil Suspension	

Micro-encapsulated Powder&Beadlets

Product Name	Specification	Type	Application
Micro-encapsulated Lutein Powder	1%、5%、10%、20%	Cold Water Soluble & Beadlets	Solid beverage, Tablets, Hard Capsules 
Micro-encapsulated Lutein Ester Powder	1%、5%、10%	Cold Water Soluble & Beadlets	
Micro-encapsulated Zeaxanthin Powder	1%、5%、10%	Cold Water Soluble & Beadlets	
Micro-encapsulated β-Carotene Powder(Fermented)	10%、20%	Cold Water Soluble & Beadlets	
Micro-encapsulated Astaxanthin Powder	1%、2%	Cold Water Soluble & Beadlets	
Micro-encapsulated Lycopene Powder(Fermented)	1%、5%	Cold Water Soluble & Beadlets	
Micro-encapsulated Curcumin Powder	10%、30%、50%、80%	Cold Water Soluble & Beadlets	

HSF BIOTECH

is an innovation-driven biotechnology company. Believing in that Innovation Serves a Better Life, the company has dedicated itself in helping people live a healthier and better life.

Everything we do at HSF Biotech is market-based and customer-oriented. With abundant experience in the R&D of Engineering Bacteria Fermentation, HSF Biotech has been developing fast as a leading manufacturer of NATURAL COLOR.



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