

### **Ingredients for Health products & Food Supplements**

Product Name	Specifications
NMN (Nicotinamide Mononucleotide )	99% up by HPLC
<b>NAD+</b> (β-Nicotinamide Adenine Dinucleotide)	99% up by HPLC
GSH (L-Glutathione Reduced )	USP / EP, High density
SAG (S-Acetyl-L-Glutathione )	98% up by HPLC
Spermidine Rich Wheat Germ Extract	0.2%, 0.5%, 1.0% by GC
Urolithin A	98% up by HPLC
Alpha GPC	1) 99.7% powder by HPLC
(CHOLINE ALFOSCERATE)	2) 50% powder by Titration
Citicoline	98% up by HPLC
Coenzyme Q10	1) USP42, 98% up by HPLC 2) 40% CWS
PhosphatidylSerine	50% powder HPLC
Pyrroloquinoline Quinone (PQQ) Disodium Salt	98% up by HPLC
R-Alpha Lipoic Acid	99% up by HPLC
L-Carnosine	99% up by HPLC
Hydroxytyrosol	10%, 25%, 99% by HPLC
L-Ergothioneine	99% up by HPLC
Fucoidan	98% up by HPLC
Rhodiola rosea extract	Rosavins 3% up, salidrosid1~10% HPLC
Resveratrol	98% up by HPLC
Astaxanthin	1%~5% powder ;5% oil , 10% oil

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### **Cosmetic raw materials**

Product Name	Specifications
Guaiazulene	99.9% up by GC
Sodium Azulene Sulfonate	98% up by HPLC
Sodium Hyaluronate ( Hyaluronic acid)	cosmetic grade , With different molecular weight
Azelaic acid	99% up by HPLC
Lactobionic acid	99% up by HPLC
Ascorbyl Glucoside (AA2G)	98% up by HPLC
All-trans-Retinal	98% up by HPLC
Alpha Arbutin	99% up by HPLC
Pro-xylane	98% up by HPLC
Ectoin	98% up by HPLC
Copper Tripeptide-1 (GHK-Cu)	98% up by HPLC
Matrixyl 3000	98% up by HPLC
Palmitoyl Pentapeptide-4 (Matrixyl)	98% up by HPLC
Acetyl Hexapeptide-8	98% up by HPLC
Nonapeptide-1	98% up by HPLC
SYN-AKE	98% up by HPLC
Rh EGF / Rh KGF	95% up, (0.8-1.0)*10 <sup>6</sup> IU/mg
Rh Cu, Zn-SOD	98.5% up ,5000-10000IU/mg

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### **Pharmaceutical Intermediates**

For Anti-hyperlipidemia			
Rosuvastatin CalciumInter.	147118-40-9 etc.	99% up, S. Impurity<0.1%	
Pitavastatin Calcium Inter.	147511-70-4etc.	99.5%up;S. Impurity<0.1%	
Others			
Rabeprazole base	117976-89-3	99%up	
Entecavir Inter.	1354715-15-3etc.	99% up	
Febuxostat Inter. (avoid the patent)	161798-01-2	99% up ,S. Impurity<0.1%	
Clozapine Inter.	50892-62-1	99% up ,S. Impurity<0.1%	
Edoxaban Inter.	1210348-34-7;720720-	000/mg S Immunity 0 10/	
(Avoid the patent)	96-7	99%up. S. Impurity<0.1%	
M-Nitrobenzaldehyde	99-61-6;	99%up	
O-Nitrobenzaldehyde	552-89-6		
Benzophenone hydrozone	5350-57-2	99%up	
Protected Amino Acids			
Z-L-Arg(Pmc)-OH.CHA	112160-33-5	99%up	
Z-D-Arg(Pmc)-OH.CHA	200191-08-8	99%up	



### **Pharmaceutical Intermediates**

Prostaglandin(P.G)intermediates		
(-)-Corey lactone p-phenylbenzoate alcohol	31752-99-5	98%~102%
(-)-Corey Lactone Diol	32233-40-2	99%
(-)-Corey Lactone Benzoate	39746-00-4	99%
For Anti-Diabetes		
Empagliflozin Inter.	868540-16-3;247068-85-5	99% up ,S. Impurity<0.1%
Dapagliflozin Inter.	461432-25-7;461432-23-5	99% up ,S. Impurity<0.1%
Sitagliptin Inter.	762240-92-6;486460-00-8	99% up ,S. Impurity<0.1%
Linagliptin Inter	666816-98-4;109113-72-6	99% up ,S. Impurity<0.1%
Semaglutide Side Chain	1118767-16-0 uO-Ste-Glu(AEEA-AEEA-OH)OtBu)	99% up ,S. Impurity<0.1%
For anti-tumor		
Ibrutinib Inter.	1701403-10-2;143900-44-1 etc.	99%up,S.Impurity<0.05% Total Impurity<0.1%
Paclitaxel side chain (Azetidinone)	201856-53-3	92% up
Lenalidomide Inter.	98475-07-1,24666-56-6	99%up
Apalutamide Inter.	951753-87-0;573762-62-6	99%up

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## **APIs**

## Looking for partners for below items produced in our NMPA approved or PMDA approved sites.(Products under the patent are only for R&D use.)

Product Name	<b>Quality</b> (By HPLC, S.Impurity≤0.1%)	Documents
Azilsartan	99.9%up	PMDA,DMF
Rivaroxaban	99.9%up	PMDA,DMF
Edoxaban	99.9%up	PMDA,DMF
Tosylate Monohydrate		
Esomeprazole	99%up	PMDA,DMF
Magnesium dihydrate		
Rabeprazole Sodium	CP, JP,	PMDA, DMF
Vonoprazan fumarate	99%up	PMDA, DMF
Empagliflozin	99%up	PMDA, DMF
Dapagliflozin	99%up	PMDA, DMF,
		GMP application
Liraglutide	99%up	NMPA,DMF
Semaglutide	99%up	NMPA,DMF

Quality: Tested by HPLC

Disclaimer: Products protected by valid patents can not be offered in countries where the sales of such products constitutes patent infringements. The above products in patent protection can only be offered for R&D use on buyer; s request with the sole responsibility of the buyer.

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### Vegetable HPMC Empty Capsule

Natural, Green, Healthy, Cost-saving

### **Quality:Pharmaceutical Grade**

conforming to China pharmacopoeia CP2020

**Certification:** NMPA (National Medical Products Administration

**GMP approved** workshop

### Our Highlights:

- 1.Special Know-how in production technology with patent.
- 2. High Capability: 5 billion pcs capsule per year and will be

10billion pcs capsule per year one year later

- 3. Automatic capsule production line
- 4.Intelligent Testing machine
- **5.Very competitive price:** around 15%~20% lower than other suppliers.
- 6. Customized Color, Size and Words printing









# Bio-Enzyme technology

#### **Pharmaceuticals**

#### **Feed Additives**

Low cost **High quality** 

#### **Intermediates**

Bio-technology/ Bio-enzymetransfer/ **Fermentation** 

### **Food Supplement**

1. NMN/NAD/NADH	99% UP
2. L-Glutathione Reduced	USP 41
3. Rebaudioside (D,M)	95% up
4. ATP-2-Na (CAS:987-65-5)	98% UP
5. N-Acetylneuraminic acid	98% up

**Advanced** Technology

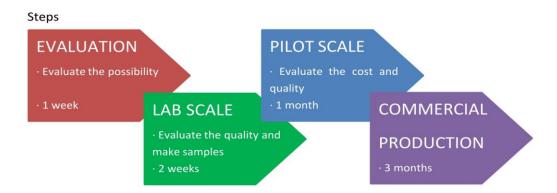
#### **Cosmetics**

1. rh Cu Zn SOD	10000IU/r
2. Adenosine	99% up
3. Rh EGF/ rh KGF	1MIU/mg
4. L-Ergothioneine	99% up
5. Phosphatidylserine	20%-70%

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#### CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION



We are professional of these compounds

- 1. Chiral compounds
- 2. Peptide synthesis
- 3. Create new structure for avoid-patent synthesis routes
- 4. Prostaglandin series

We are specialized in these reactions

- 1. Enzymic catalytic reaction
- 2. Enzymatic resolution

We have special facilities that can meet these circumstances

- 1. High vacuum (reach 1mmHg)
- 2. Low temperature (reach -100°C)
- 3. High temperature (reach 200°C)

We have available sites/lines

- 1. cGMP Manufacturing Site for custom manufacturing
- 2. High active API (to OEB5) production line (20L~100L)

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