

◆ About us

Jiangxi Alpha Hi-tech Pharmaceutical Co., Ltd

Since 2009, Alpha Hi-tech Pharma has been specializing in R&D and manufacturing excipients in China. The plant implements the cGMP guidelines and is inspected by the provincial FDA every year. We adopt state-of-the-art production technology and our product quality strictly conforms to current CP/USP-NF/BP/EP/JP etc, Certificates are supported such as GMP, ISO9001, ISO14001, ISO45001, HALAL, etc.

- 👂 Move forward with co-operation, accomplish mission without fail.
- 👤 To supply superior excipients for human health.



◆ Our service

- ✓ Customized excipients. ✓ Free samples.
- ✓ One-stop technical support from R&D, scale-up to commercialization.
- ✓ Strict quality control, conform to international standards, meet multiple applications.
- ✓ Support site audit from customer and official.

◆ Culture

- ✓ Goals: Safety, environmental, social responsibility, quality and efficiency.
- ✓ Alpha takes responsibility for human beings and the environment.
- ✓ Corporate benefits are social benefits.
- ✓ To supply superior excipients for human health.

◆ What we support:

- ✓ CP, EP, USP-NF, JP, BP ✓ LOA from NMPA CDE
- ✓ BSE/TSE/GMO-Free/Residual Solvent/Elemental Impurity Statement
- ✓ GMP certificate/ISO9001/ISO14001/ISO45001/HALAL
- ✓ DMF/CEP is on-going

◆ Quality assurance system



Strong list

NAME	CAS NO.
Ethyl Oleate	111-62-6
Chlorobutanol Hemihydrate	6001-64-5
Aluminum Monostearate	7047-84-9
Medium-Chain Triglycerides	73398-61-5
Glyceryl Dibehenate	30233-64-8
Partially Neutralized Polyacrylate	9003-79-8
Croscarmellose Sodium	74811-65-7
Sodium Stearyl Fumarate	4070-80-8
Polyvinyl Alcohol	9002-89-5
Dimethicone	9006-65-9
Hydrogenated Castor Oil	8001-78-3
Hydrogenated Soybean Oil	8016-70-4
Hydrogenated Vegetable Oil	68334-28-1
Butylated Hydroxyanisole	25013-16-5
Butylated Hydroxytoluene	128-37-0
Polyethylene Oxide	25322-68-3

Preservative

Chlorobutanol Hemihydrate
Benzyl Alcohol

Antioxidant

Butylated Hydroxytoluene
Butylated Hydroxyanisole

Veterinary material

Ethyl Oleate
Chlorobutanol Hemihydrate
Medium-Chain Triglycerides
Aluminum Monostearate

Cosmetic material



Glyceryl Dibehenate
Partially Neutralized Polyacrylate










◆ Chlorobutanol Hemihydrate

Advantage:

-  Preservative in pharmaceuticals, advise dosage 0.5% (W/V).
-  Widely used as preservatives in ointment, ophthalmic preparations and veterinary injections such as Oxytocin, Colistin sulfate chlorogenic acid, Cephalexin, Tolfenamic Acid, especially suitable for non-aqueous preparations.

◆ Ethyl Oleate





Advantage:

-  A solvent, a transdermal absorption enhancer, a lubricant and a plasticizer in formulations.
-  A suitable solvent for steroids and other lipophilic drugs. Widely used in veterinary injections such as Cefquinoxime sulfate, enrofloxacin. Its properties are similar to almond oil and peanut oil, its low viscosity make it easily absorbed by body tissues.
-  As biodegradable microcapsules and microemulsions of cyclosporine implanted under the dermis.
-  Solvent of flavor oil, the carrier of essence fragrance.
-  Flavor modifier in food or feed.



◆ Lubricant—Sodium Stearyl Fumarate

Advantage:

-  Shorter disintegration times& Faster dissolution rates.
-  Enhanced lubrication efficiency&Improved drug stability.
-  Lower solvent residues such as toluene and acetone.
-  Suitable for tablets with more fat-soluble ingredients and tablets with limited use of magnesium stearate.

◆ Disintegrant—Croscarmellose Sodium

Advantage:

-  Excellent hydration and rapid expansion.  Customized particle size.
-  Excellent disintegrating effect, promoting drug dissolution.

CODE	TYPE	SPECIFICATIONS
AG1301	CP/USP/EP	Ethanol 0.5%;
	D10: 25um max; D50: 25-55um; D90: 60um max	
AG1302	CP/USP/EP	Ethanol 0.01%;
	D10: 25um max; D50: 25-55um; D90: 60um max	





Polyvinyl Alcohol

Advantage:

-  Various viscosity and particle size.
-  Lower residues and methanol, conducive to impurity control, solve dissolution problem.
-  Suitable for gastric dissolution coating premix due to its excellent water solubility.

CODE	MODEL	VISCOSITY (mPa·s)	PARTICLE SIZE
AG0601	03-88	3.0-3.6	Granule
AG0602	03-88	3.0-3.6	Powder
AG0603	05-88	4.6-6.0	Granule
AG0604	05-88	4.6-6.0	Powder
AG0605	17-88	20-26	Granule
AG0606	17-88	20-26	Powder
AG0607	24-88	44-56	Granule
AG0608	24-88	44-56	Powder
AG0609	20-88	28-35	Granule
AG0614	04-88	3.7-4.5	Granule




Application:

- As a film-forming material in coating agent/ spray agent/ film-coated agents.
- As thickening agents, and suspending agents in eye drops.
- As binder in tablets and granules.
- As base material in gel dosage forms or emplastrum.
- As emulsifiers/emulsification stabilizers in o/w emulsions due to its good suspending effect.
- As a coating material for food additives.



Partially Neutralized Polyacrylate

Advantage:

-  In-house spec: Viscosity: 350-750mPa.s; Neutralization degree 35%, 50%, 70%.
-  Does not decompose when heated to 300°C.
-  Long-lasting with minimal viscosity changes, not prone to decay.

Application:

- As base material for external plasters, a thickener for ointments,
- As base material for facial masks, a thickener for skincare creams and lotions, etc.

Code	Neutralization degree	Viscosity (mPa·s)	pH
AG3901	50%	500-650	6.2-6.8
AG3902	70%	500-650	7.0-7.4
AG3903	35%	450-600	5.5-6.1

Polyvinyl Alcohol




- As matrix in Hydrophilic gel or patch.
- Common model is PVA05-88, 17-88, 24-88 granule.





◆ Sustained-release material—— Polyethylene Oxide

Advantage:





-  Wide range of molecular weights makes the formulation more flexible.
-  Low toxicity when applied to various drug delivery routes.
-  Hydrate quickly to form a gel when applied to hydrophilic matrix tablets.

CODE	Labeled average molecular weight	Dynamic viscosity (mPa · s) Polyethylene Oxide(g)/(Water-Isopropyl alcohol) (ml)
PEO-10	100 000	12-50(mPa · s)30g/(570+125)ml
PEO-20	200 000	65-115(mPa · s)30g/(570+125)
PEO-40	400 000	2250-4500(mPa · s) (5% aqueous solution)
PEO-60	600 000	4500-8800(mPa · s) (5% aqueous solution)
PEO-90	900 000	8800-17600(mPa · s) (5% aqueous solution)
PEO-100	1 000 000	400-800(mPa · s) 2% (aqueous solution)
PEO-200	2 000 000	2000-4000(mPa · s)12g/ (588+ 125)ml
PEO-400	4 000 000	1650-5500 1%(aqueous solution)ml
PEO-500	5 000 000	5500-7500(mPa · s)6g/(594+125)ml
PEO-700	7 000 000	7500-10 000(mPa · s)6g/(594+125)ml



◆ Sustained-release material—— Glyceryl Dibehenate

Advantage:

-  Spherical particles with good fluidity.
-  Very low acid value, conducive for storage.
-  Stable and uniform sustained-release matrix and taste-masking material.
-  Repeatable to granulate still with good performance.

Application	Dosage/ %	Examples
Sustained release skeleton material	>10.0	Loratadine and Pseudoephedrine Sulfate Sustained Release Tablets
Fat-soluble coating material	>10.0	
Lubricants for tablets, etc	1.0-3.0	Captopril Tablets
Taste-masking agent		Amoxicillin Dry Suspension
Adhesives for tablets, etc	1.0-3.0	
Thickeners for gels, emulsions, etc	1.0-15.0	



PRODUCT LIST



品名	NAME	CAS NO.	CP、NF、EP、JP	NMPA CDE NO.
油酸乙酯	Ethyl Oleate	111-62-6	✓	F20209990135
三氯叔丁醇	Chlorobutanol Hemihydrate	6001-64-5	✓	F20209990112
单硬脂酸铝	Aluminum Monostearate	7047-84-9	✓	F2020000201
中链甘油三酸酯	Medium-Chain Triglycerides	73398-61-5	✓	F20220000316
山萘酸甘油酯	Glyceryl Dibeheate	30233-64-8	✓	F20209990110
部分中和聚丙烯酸钠	Partially Neutralized Polyacrylate	9033-79-8	✓	F20210000306
交联羧甲基纤维素钠	Croscarmellose Sodium	74811-65-7	✓	F20209990136
硬脂富马酸钠	Sodium Stearyl Fumarate	4070-80-8	✓	F20190000009
聚乙烯醇	Polyvinyl Alcohol	9002-89-5	✓	F20209990114
聚氧乙烯	Polyethylene Oxide	25322-68-3	✓	F20220000511
二甲硅油	Dimethicone	9006-65-9	✓	F20209990107
氢化蓖麻油	Hydrogenated Castor Oil	8001-78-3	✓	F20180000030
氢化大豆油	Hydrogenated Soybean Oil	8016-70-4	✓	F20170000576
氢化植物油	Hydrogenated Vegetable Oil	68334-28-1	✓	F20200000560
二丁基羟基甲苯	Butylated Hydroxytoluene	128-37-0	✓	F20209990127
丁基羟基苯甲醚	Butylated Hydroxyanisole	25013-16-5	✓	F20190000038
抗坏血酸棕榈酸酯	Ascorbyl Palmitate	137-66-6	✓	F20230000076
L-苹果酸	L-Malic Acid	97-67-6	✓	F20209990137
三氯蔗糖	Sucralose	56038-13-2	✓	F20209990121
喷替酸	Pentetic Acid	67-43-6	USP	F20210000564
环甲基硅酮	Cyclomethicone	69430-24-6	✓	F20209990128
枸橼酸三乙酯	Triethyl Citrate	77-93-0	✓	F20209990129
邻苯二甲酸二乙酯	Diethyl Phthalate	84-66-2	✓	F20209990109
苯甲醇	Benzyl Alcohol	100-51-6	✓	F20209990125
交联聚维酮	Crospovidone	25249-54-1	✓	F20209990138
单硬脂酸甘油酯	Glyceryl Monostearate	123-94-4	USP	F20200000199
单双硬脂酸甘油酯	Glyceryl Mono-and Distearate	1323-83-7	EP	F20200000334
单亚油酸甘油酯	Glyceryl Monolinoleate	26545-74-4	✓	F20210000348
油酸油酯	Oleyl Oleate	3687-45-4	USP	F20210000350
油醇	Oleyl Alcohol	143-28-2	USP,EP	F20210000351
甘油三乙酯	Glyceryl Triacetate	102-76-1	✓	F20210000307
氢化棕榈油甘油酯	Hydrogenated Palm Glycerides	91744-66-0	In-house	F20230000034
氢化棕榈油	Hydrogenated Palm Oil	68514-74-9	USP	F20230000033

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PRODUCT CATALOGUE



江西阿尔法高科药业有限公司
JiangxiAlphaHi-TechPharmaceuticalCo.,LTD

APPLICATION	品名	NAME	CAS NO.	NMPA CDE NO.	CP USP, EP
Disintegrant	交联羧甲基纤维素钠	Croscarmellose Sodium	74811-65-7	F20209990136	✓
	交联聚维酮	Crospovidone	9003-39-8	F20209990138	✓
Lubricant	氢化蓖麻油	Hydrogenated Castor Oil	8001-78-3	F20180000030	✓
	氢化大豆油	Hydrogenated Soybean Oil	8016-70-4	F20170000576	✓
	氢化植物油	Hydrogenated Vegetable Oil	68334-28-1	F20200000560	✓
	山嵛酸甘油酯	Glyceryl Dibehenate	30233-64-8	F20209990110	✓
	硬脂富马酸钠	Sodium Stearyl Fumarate	4070-80-8	F20190000009	✓
Sustained-release Material	十六醇	Cetyl Alcohol	36653-82-4	F20209990123	✓
	十八醇	Stearyl Alcohol	112-92-5	F20209990119	✓
	十六十八醇	Cetostearyl Alcohol	8005-44-5	F20209990122	✓
	氢化蓖麻油	Hydrogenated Castor Oil	8001-78-3	F20180000030	✓
	氢化大豆油	Hydrogenated Soybean Oil	8016-70-4	F20170000576	✓
	氢化植物油	Hydrogenated Vegetable Oil	68334-28-1	F20200000560	✓
	聚氧乙烯	Polyethylene Oxide	25322-68-3	F20220000511	✓
Coating/ Film Forming Material	聚乙烯醇	Polyvinyl Alcohol	9002-89-5	F20209990114	✓
	部分中和聚丙烯酸钠	Partially Neutralized Polyacrylate	9003-4-7	F20210000306	JPE
Gel or Patch Base	氢化棕榈油甘油酯	Hydrogenated Palm Glycerides	91744-66-0	F20230000034	In-house
	氢化棕榈油	Hydrogenated Palm Oil	68514-74-9	F20230000033	USP
	二甲基硅油	Dimethicone	9006-65-9	F20180000007	✓
Solvent for Oil Phase	油酸乙酯	Ethyl Oleate	111-62-6	F20209990135	✓
	单亚油酸甘油酯	Glyceryl Monolinoleate	26545-74-4	F20210000348	✓
	中链甘油三酸酯	Medium-Chain Triglycerides	73398-61-5	F20220000316	✓
	蓖麻油	Castor Oil	8001-79-4	F20200000148	✓
	氢化棕榈油甘油酯	Hydrogenated Palm Glycerides	91744-66-0	F20230000034	In-house
Flavoring Agent	氢化棕榈油	Hydrogenated Palm Oil	68514-74-9	F20230000033	USP
	L-苹果酸	L-Malic Acid	97-67-6	F20209990137	✓
Suspending Agent	三氯蔗糖	Sucralose	56038-13-2	F20209990121	✓
	氢化蓖麻油	Hydrogenated Castor Oil	8001-78-3	F20180000030	✓

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APPLICATION	品名	NAME	CAS NO.	NMPA CDE NO.	CP USP, EP
Suspending Agent	单硬脂酸铝	Aluminum Monostearate	7047-84-9	F20200000201	✓
PH Regulator	L-苹果酸	L-Malic Acid	97-67-6	F20209990137	✓
Lipophilic Matrix	二甲硅油	Dimethicone	9006-65-9	F20180000007	✓
	环甲基硅酮	Cyclomethicone	69430-24-6	F20209990128	✓
	蓖麻油	Castor Oil	8001-79-4	F20200000148	✓
Emulsifier	山嵛酸甘油酯	Glyceryl Dibehenate	30233-64-8	F20209990110	✓
	单硬脂酸甘油酯	Glyceryl Monostearate	123-94-4	F20200000199	✓
	单双硬脂酸甘油酯	Glyceryl Mono-and Distearate	1323-83-7	F20200000334	✓
Transdermal Absorption Enhancer	油酸油酯	Oleyl Oleate	3687-45-4	F20210000350	USP
	油醇	Oleyl Alcohol	143-28-2	F20210000351	USP,EP
	油酸乙酯	Ethyl Oleate	111-62-6	F20209990135	✓
Suppository Thickening Hardener	氢化蓖麻油	Hydrogenated Castor Oil	8001-78-3	F20180000030	✓
	氢化大豆油	Hydrogenated Soybean Oil	8016-70-4	F20170000576	✓
	氢化植物油	Hydrogenated Vegetable Oil	68334-28-1	F20200000560	✓
	单硬脂酸甘油酯	Glyceryl Monostearate	123-94-4	F20200000199	USP
	单双硬脂酸甘油酯	Glyceryl Mono-and Distearate	1323-83-7	F20200000334	EP
Taste Masking Agent	单硬脂酸铝	Aluminum Monostearate	7047-84-9	F20200000201	✓
	山嵛酸甘油酯	Glyceryl Dibehenate	30233-64-8	F20209990110	✓
Binder	聚乙烯醇	Polyvinyl Alcohol	9002-89-5	F20209990114	✓
	聚氧乙烯	Polyethylene Oxide	25322-68-3	F20220000511	✓
Plasticizer	枸橼酸三乙酯	Triethyl Citrate	77-93-0	F20209990129	✓
	邻苯二甲酸二乙酯	Diethyl Phthalate	84-66-2	F20209990109	✓
	蓖麻油	Castor Oil	8001-79-4	F20200000148	✓
	甘油三乙酯	Glyceryl triacetate	102-76-1	F20210000307	✓
Preservative	苯甲醇	Benzyl Alcohol	100-51-6	F20209990125	✓
	三氯叔丁醇	Chlorobutanol	6001-64-5	F20209990112	✓
Antioxidant	二丁基羟甲苯	Butylated Hydroxytoluene	128-37-0	F20209990127	✓
	丁基羟基苯甲醚	Butylated Hydroxyanisole	25013-16-5	F20190000038	✓
	抗坏血酸棕榈酸酯	Ascorbyl Palmitate	137-66-6	F20230000076	✓
Chelating agent	喷替酸	Pentetic Acid	67-43-6	F20210000564	USP

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