



BLUE LAKE

Textile Auxiliaries

Over 20 years in textile dyeing and finishing industry



SINCE 1996

Guangdong Innovative Fine Chemical Co., Ltd.

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ENTERPRISE BRIEF INTRODUCTION

BLUELAKECHEM™ is the sub-brand of Guangdong Innovative Fine Chemical Co., Ltd. which was founded in 1996. With 26 years experience in textile industry, it now has > 500 models textile auxiliary chemicals include pretreatment, dyeing and finishing application.

BLUELAKECHEM™ is committed to providing eco-friendly, high-efficient and high cost-effective products to customers. It combine the global market demand, carefully selected from the Guangdong Innovative Fine Chemical mature products.

Guangdong Innovative Fine Chemical Co., Ltd. owns two chemical production bases, also set up office, lab and warehouse in more than four cities in China. Technical teams mainly specialize in surfactant, silicone softener and special finishing agent areas. The production bases are located in the famous knitting town of China, as Liangying Town, Shantou City, Guangdong Province. Production annual output over 80,000 tons, and it has already become one of the biggest textile auxiliary suppliers in China.



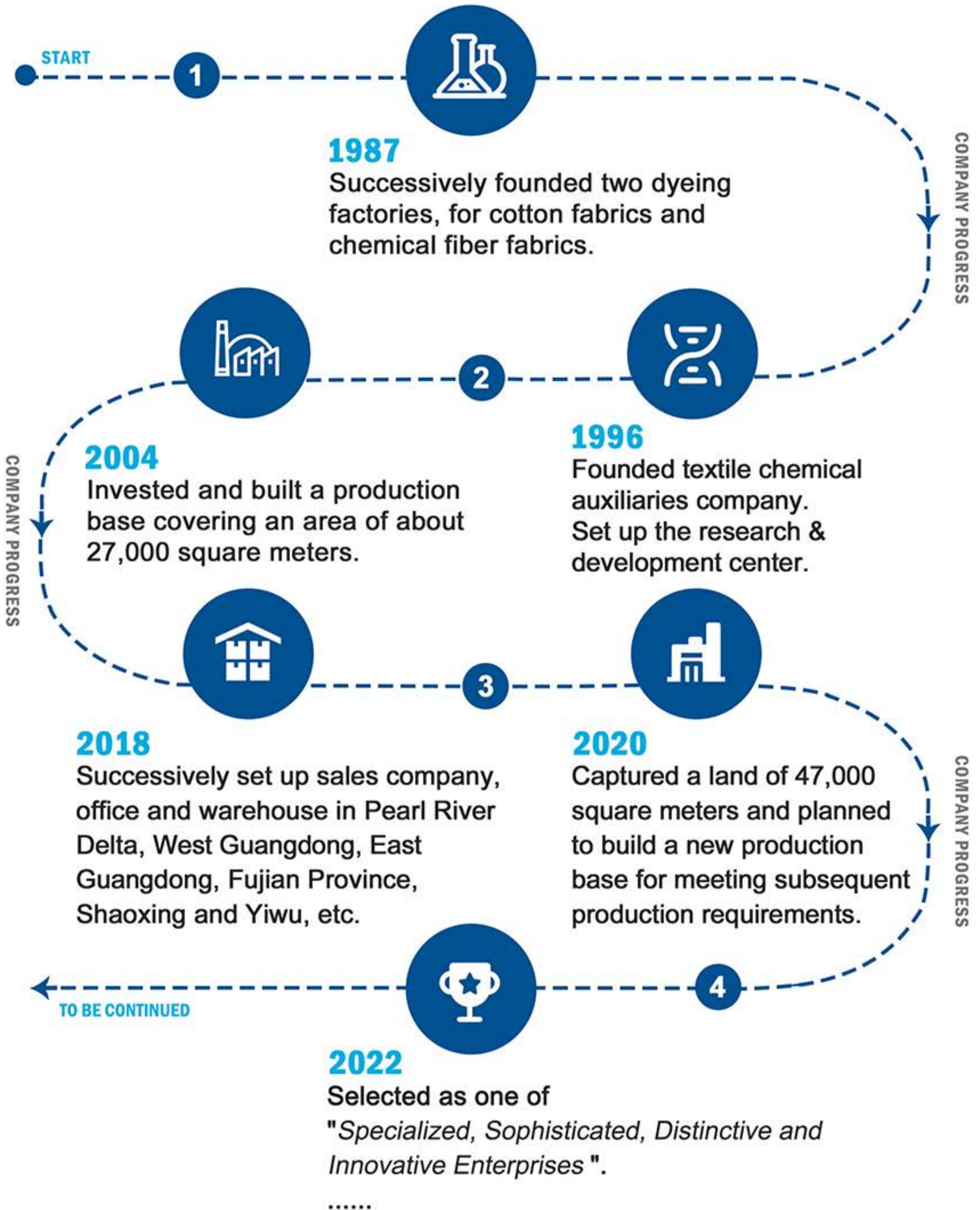
OBTAINED CERTIFICATION

High-tech
Innovative
Environmentally-friendly



Guangdong Innovative Fine Chemical Co., Ltd. has consistently adhered to the line of "Technical Innovation", with the purpose of "Prompt Service & Stable Quality" and the operation philosophy of "Quality Creates Value. Technology Assures Service". We have continuously invested heavily in research and development and hired some industry-renowned experts, professors and college professional team as the consultant to establish a complete product research and development system. We have obtained a number of invention patents. In particular, we have made a great breakthrough in silicone products. We have passed some international certifications, as GOTS and OEKO-TEX 100, etc.





COOPERATION PROCESS

Research & Development, Manufacturing, Sales, Service for textile auxiliaries
Committed to textile dyeing and finishing industry for more than 20 years

STEP

01

Develop new products according to requirements.



Provide samples to customers for testing.

STEP

02

STEP

03

Have pilot production and mass production.



Apply to dyeing and finishing production.

STEP

04

CUSTOMIZATION

We can provide customized products to customers. Welcome to send us your sample. We will research, match and develop it for you.

 **Highly appreciate if you can share samples with us.**

**1. Fabric sample : Please send us two fabrics
(one is untreated and one is of your target effect.)**

2. Chemical sample for reference.

**Please advise your requirements as detailed as possible.
With 20+ years of industry experience, we will try our
best to provide you suitable item product.**

Overseas samples receiving address:

 **Address : Floor 8, Lechao Building, Huangshan Road,
Longhu District, Shantou City, Guangdong
Province, China**

 **Postcode : 515057**

 **Receiver : Stephen Wei**

 **Phone : +86-15766227459**

 **Email : stephen@gdcxchem.com**

CORE PRODUCTS

Pretreatment Auxiliaries - Wetting & Degreasing Agent

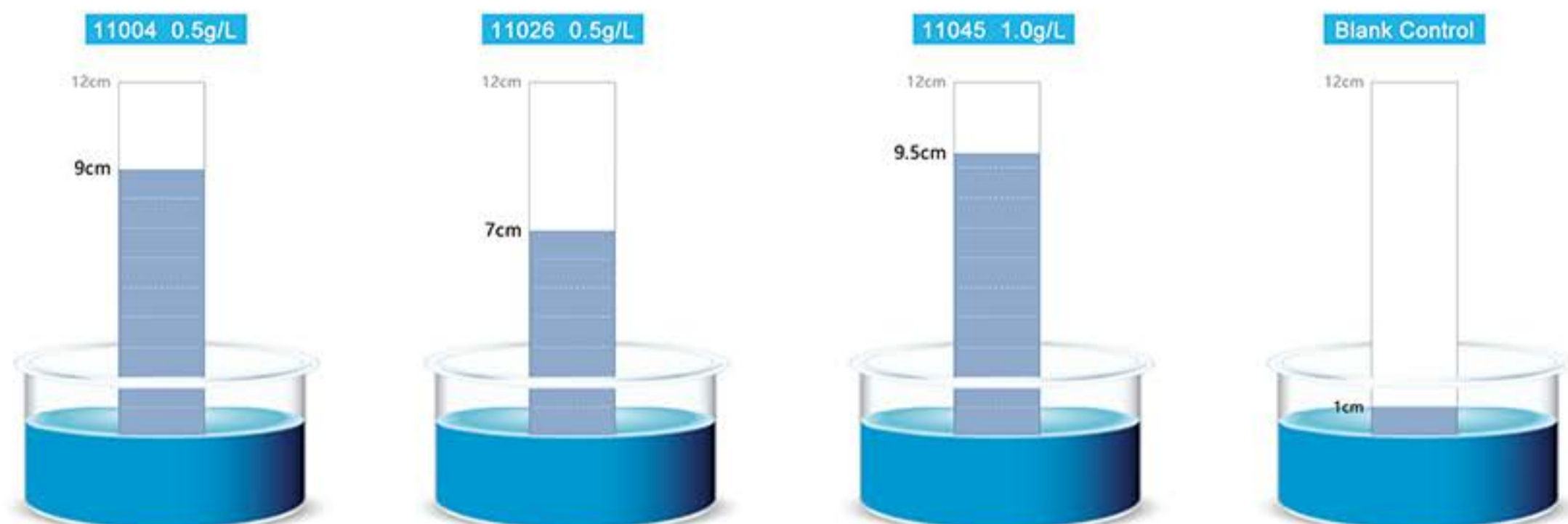
Model	Application	Solid Content	Foaming
11004	Scouring, Degreasing, Wetting	≥80%	Yes
11026	Wetting	≥80%	No
11045	Scouring, Degreasing, Wetting	≥45%	No
11007	Degreasing & Dyeing One Bath, Polyester	≥30%	Low
11008	High alkali condition wetting, Mercerized cotton	≥40%	Low

Degreasing: H₂CO₃ 1g/L +Auxiliary 98°C 30min

11004 0.5g/L	11026 0.5g/L	11045 1.0g/L	Blank Control
			

Scouring: H₂O₂ 6g/L + NaOH 1g/L +Auxiliary 98°C 60min

Capillary effect:



CORE PRODUCTS

Dyeing Auxiliaries



Eco-friendly Sequester Agent 11035

High dispersing effect and stability in different baths of pretreatment to dyeing process. High chelating ability for metal ions such as Fe^{2+} , Fe^{3+} , Mg^{2+} and Ca^{2+} , etc.



Leveling Agent 22005

Apply in cotton and cotton blends dyeing process. Improve the solution of direct dyes and reactive dyes. Excellent chelating and dispersing effect on cotton impurities and metal ions in dyeing bath.



Leveling Agent 22503

Apply in polyester and polyester blends dyeing process. Reduce dyeing time. Save energy. Low foaming. High dispersing effect for disperse dyes. Avoid fabric dyeing defect.



Soaping Powder 23111







Apply in soaping process after dyeing. Effectively remove surface dyeing on fabrics. Excellent anti-back-staining effect. Improve the vivid color. Low foaming.

CORE PRODUCTS

Fixing Agent







Fixing Agent 23121

Application Performance

	Blank	2% Fixing Agent
Influence on color shade		
Washing fastness (tint means higher fastness level)		
Staining fastness (tint means higher fastness level)		

High Concentration Fixing Agent 23183

Application Performance

	Blank	2% Fixing Agent
Influence on color shade		
Washing fastness (tint means higher fastness level)		
Staining fastness (tint means higher fastness level)		

Fixing Agent 23014



Model	Application	Best performance on
23121	Cotton, direct and reactive dyes	Red, yellow and black series
23183	Cotton, direct and reactive dyes	Blue and green series
23014	Cotton, polyester, nylon, all dyes	All sensitive color

CORE PRODUCTS

Finishing Agents



Moisture Wicking Hydrophilic Agent 45404

Can be used as hydrophilic finishing agent and moisture wicking agent for polyester and nylon fabrics.

Impart fabrics excellent fluffy handle and hydrophilicity.

Can be used as anti-static agent, bath softener and napping agent in different dosage.



Moisture Quick Drying Agent 44504

Apply in moisture quick drying and anti-static finishing process for polyester fabrics.

Impart fabrics excellent and durable hydrophilicity and very soft and fluffy hand feeling.

Improve anti-staining performance.



Anti-mosquito Finishing Agent 44505

Apply in the anti-mosquito finishing process for various kinds of fabrics.

Release anti-mosquito component slowly. Have lasting mosquito repellent effect.

Keep excellent anti-mosquito effect after washing 10 times.



Bath Softener 32146

Apply in pretreatment to dyeing process for cotton fabrics.

Prevent fabric creasing or scratch.

CORE PRODUCTS

Napping Agent / Fuzzing Agent



Napping Agent 30317

Impart fabrics soft, exquisite and fluffy handle and good hydrophilicity.

Make the follow napping process smooth and finished products even and glossy.



Softener (Especially for acrylic fiber) 33042

Excellent hydrophilicity.

Imparts fabrics fluffy and soft hand feeling.



Hydrophilic Softener 68002

Impart fabrics excellent hydrophilicity and soft and fluffy handle.

Can be used same dosage 1:1 to replace soft flake.
Cost-effective item.



CORE PRODUCTS

Antibacterial Agent



Antibacterial and Antiviral Agent 44570

Effective for most often-tested bacteria. AAA level bacteriostasis effect. After 50 times washing, the treated fabric still have antibacterial effect. Excellent antiviral effect.



TEST REPORT

(Electronic version)

No:190287648

ANTIMICROBIAL ACTIVITY (LEVEL AAA)
抗菌效果 (AAA级)

(FZ/T 73023-2006 ANNEX D 附录D, SHAKE FLASK METHOD 振荡法 样品经洗涤50次) **AFTER 50 WASHING CYCS**

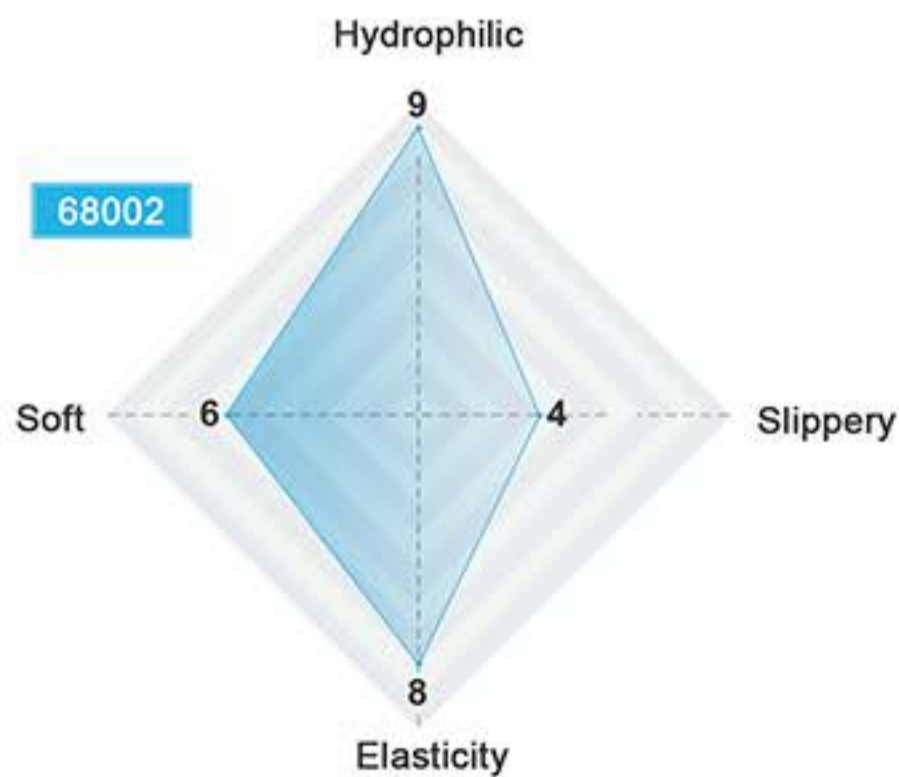
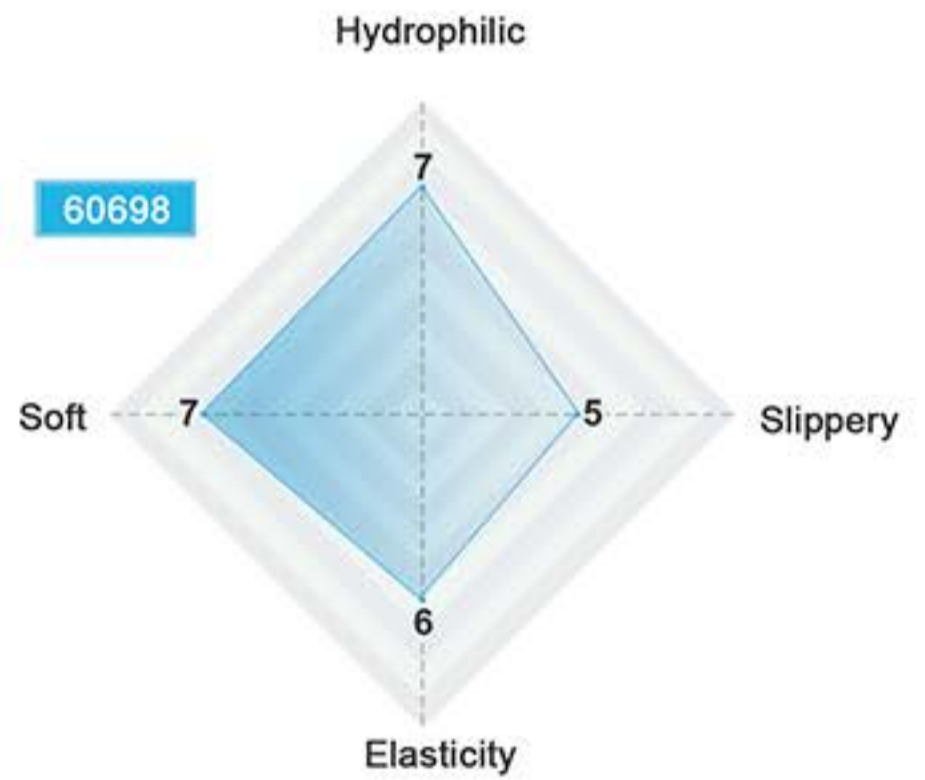
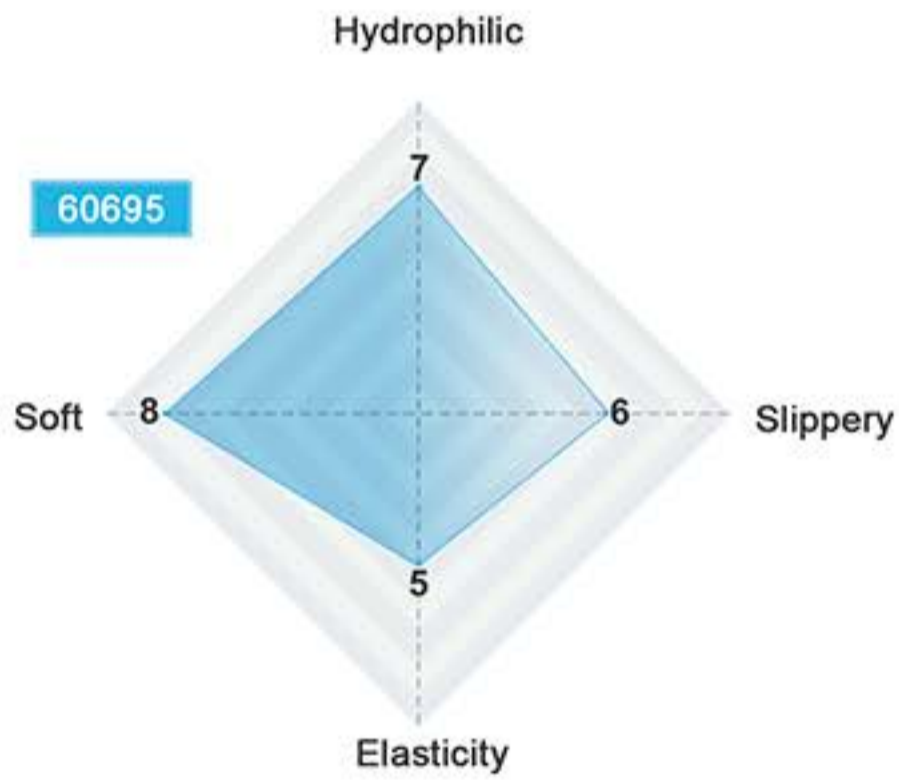
INHIBITION 抑菌率:
STAPHYLOCOCCUS AUREUS 金黄色葡萄球菌
99.78%
COLON BACILLUS 大肠杆菌
95.80%
CANDIDA ALBICANS 白色念珠菌
89.11%

REQUIREMENT 要求
INHIBITION 抑菌率:
STAPHYLOCOCCUS AUREUS 金黄色葡萄球菌
≥80%
COLON BACILLUS 大肠杆菌
≥70%
CANDIDA ALBICANS 白色念珠菌
≥60%
(FZ/T 73023-2006)

CORE PRODUCTS

Hydrophilic Silicone Softener (Cellulose)

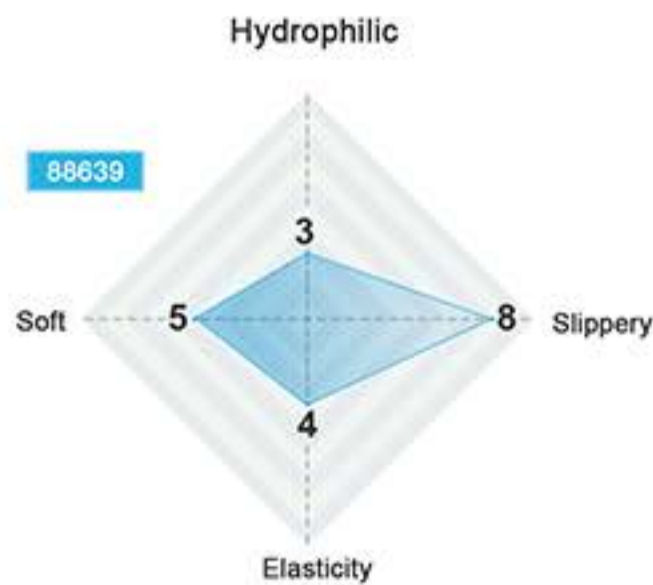
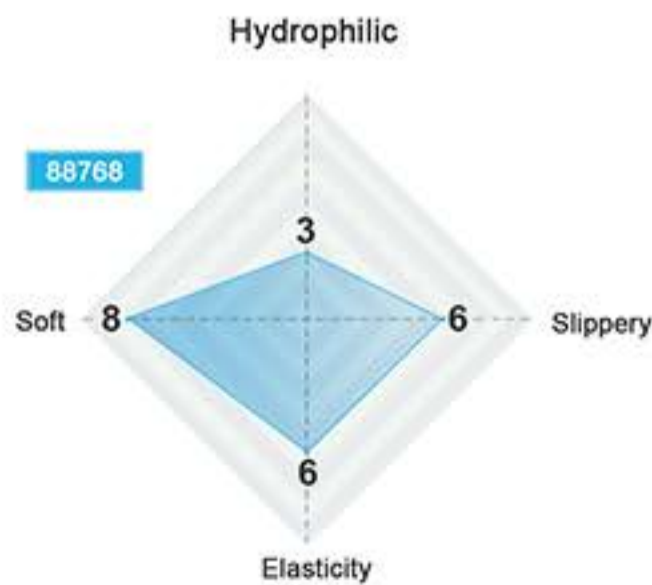
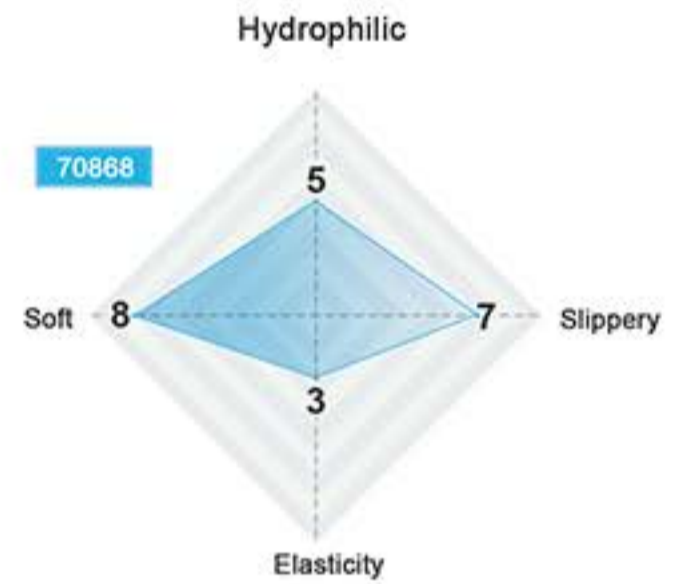
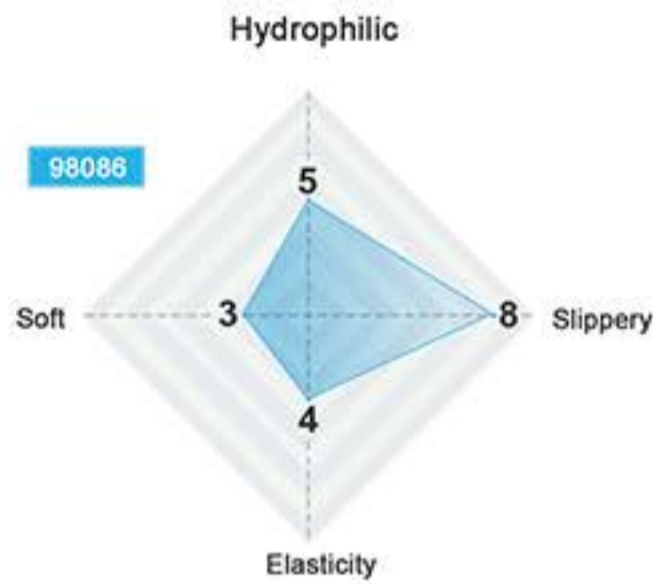
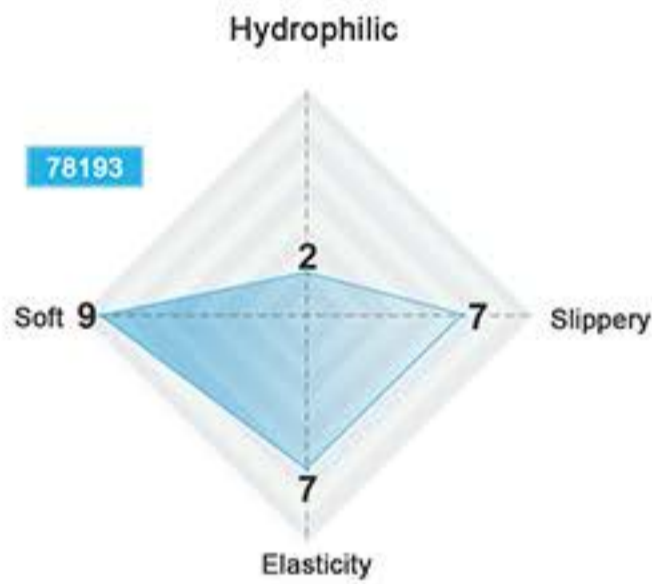
Model	Application	Solid Content	Hydrophilic	Soft	Slippery	Elasticity
60695	Cellulose	65%	7	8	6	5
60698	Cellulose	65%	7	7	5	6
68002	Cellulose	60%	9	6	4	8



CORE PRODUCTS

Hydrophobic Silicone Softener (Cellulose)

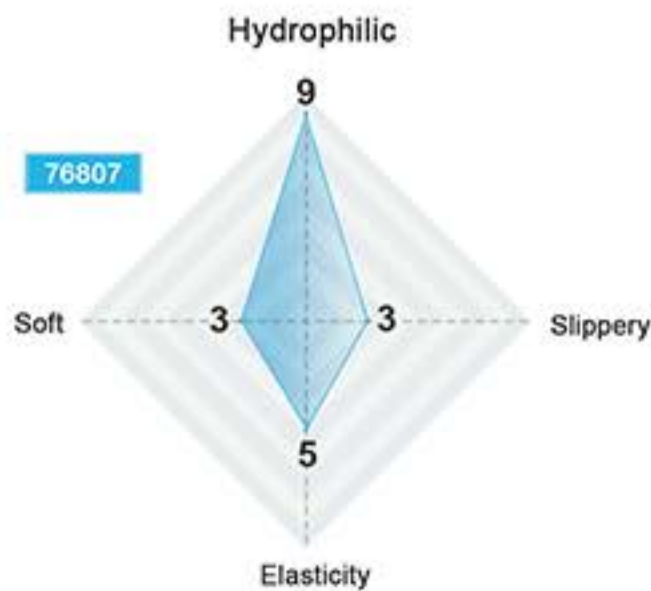
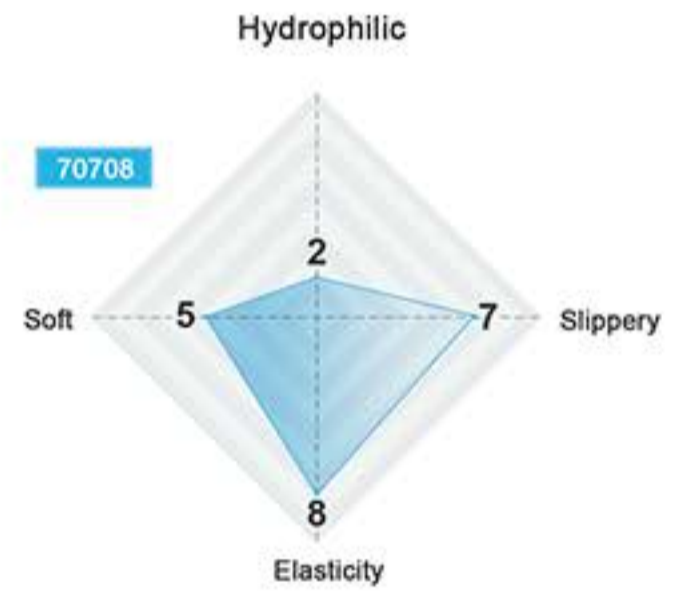
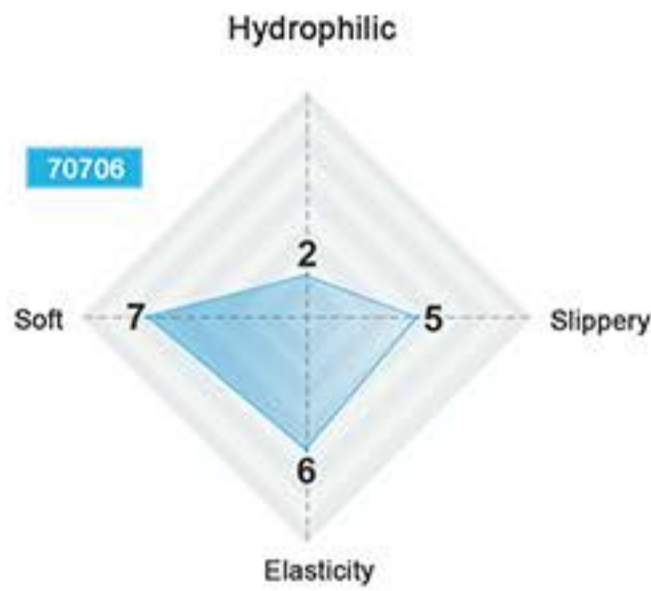
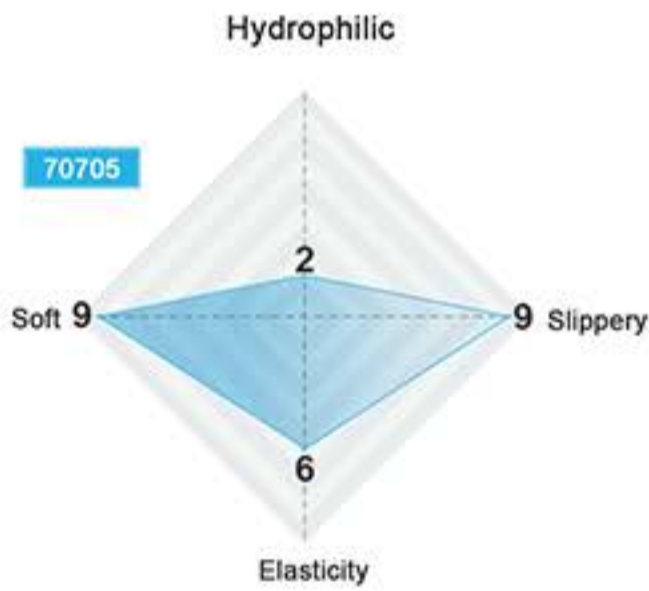
Model	Application	Solid Content	Hydrophilic	Soft	Slippery	Elasticity
78193	Cellulose	65%	2	9	7	7
98086	Cellulose	40%	5	3	8	4
70868	Cellulose	40%	5	8	7	3
88768	Viscose Spandex	70%	3	8	6	6
88639	Viscose Spandex	70%	3	5	8	4



CORE PRODUCTS

Silicone Softener (Synthetic)

Model	Application	Solid Content	Hydrophilic	Soft	Slippery	Elasticity
70705	Synthetic	25%	2	9	9	6
70706	Synthetic	20%	2	7	5	6
70708	Synthetic	20%	2	5	7	8
97078	Synthetic	20%	6	5	5	7
76807	Synthetic	30%	9	3	3	5



CORE PRODUCTS

Customized Silicone Oil

Amino Silicone Oil (Cellulose fiber)

Apply in soft finishing process for cellulose fiber fabrics.
Customized products with different viscosity and amino value is available.

Block Silicone Oil (Chemical fiber)

Apply in soft, smooth and fluffy finishing process for chemical fiber.
Customized products with specific handle is available.

Terpolymer Silicone Oil (Hydrophilic)

According to the latest market requirements, both have hydrophilic and handle finishing.
Customized products with specific handle is available.

Silicone Oil is available for customizing with different handle, which matches most products in the market.

PRODUCT CATEGORIES

I. Pretreatment Auxiliaries

Low Foaming Degreasing Agent

Low Temperature Degreasing Agent

Dyeing Bath Degreasing Agent

High Efficiency Wetting Agent

Multifunctional Wetting Agent

Alkali-Resisting Wetting Agent
(Mercerizing Wetting Agent)

Cold-Pad-Batch Scouring Agent

Low Temperature Scouring Agent

Hydrogen Peroxide Activator

Hydrogen Peroxide Stabilizer

Sequester Agent

II. Dyeing Auxiliaries

Cotton Dyeing Auxiliaries

Reactive Dye Leveling Agent

Non-foaming Soaping Agent

Low Temperature Soaping Agent

Neutralizing Soaping Agent

Water-saving Soaping Agent

Polyester Dyeing Auxiliaries

High Temperature Leveling Agent

Polyester Leveling Agent

Polyester Patch Repair Agent

Eco-friendly Carrier

Anti-migration Agent (In drying process)
(Prevent Dyes Moving Agent)

Oligomer Remover

Nylon Dyeing Auxiliaries

Nylon Leveling Agent

Nylon Patch Prevent Agent

Nylon Patch Repair Agent

Nylon Retarding Agent

Acrylic Dyeing Auxiliaries

Acrylic Leveling Agent

Acrylic Retarding Agent

Acrylic Soaping Agent

Anti-settling Agent

General Dyeing Auxiliaries

Anti-creasing Agent
(Pretreatment/ Dyeing Bath Softener)

Dispersing Agent

Anti-coagulation Agent

Nylon Anti-staining Soaping Agent

Reactive Dyes Anti-Staining Soaping Agent

Cotton Anti-Staining Agent

Polyester Resist Agent

Nylon Resist Agent

Fixing Agent

Formaldehyde-free Fixing Agent

Blue Fixing Agent

T/C CVC Fixing Agent

Nylon Fixing Agent

Nylon Fluorescent Fixing Agent

Washing Fastness Improving Agent

Web Rubbing Fastness Improving Agent

Light Fastness Improving Agent

Whitening Agent

Cotton Whitening Agent

Polyester Whitening Agent

Nylon Whitening Agent

III. Silicone Finishing Agents (Available For Customized Handle)

Original Silicone Oil

Amino Silicone Oil

Block Silicone Oil

Trifunctional Silicone Oil

Hydrophilic Silicone Oil

Cotton Silicone Oil Emulsion

Hydrophilic Smooth Silicone Softener

Hydrophilic Ultra-Soft Silicone Softener

Dyeing Bath Silicone Softener

Ultra-smooth Silicone Softener

Fluffy Soft Silicone Softener

Mercerizing Silicone Softener

Elastic Silicone Softener

Sulphur Black Deepening Softener

Deepening & Brightening Silicone Softener

Stiff Smooth Silicone Softener

Instant Hydrophilic Finishing Agent

Chemical Fiber Silicone Oil Emulsion

Polyester Ultra-soft Silicone Softener

Polyester Smooth Silicone Softener

Polyester Hydrophilic Silicone Softener

Towel Silicone Softener

Nylon Ultra-soft Silicone Softener

Nylon Hydrophilic Silicone Softener

Acrylic Fluffy Silicone Softener

IV. Other Finishing Agents

Non-Silicone Softeners

Hydrophilic Softener (Replace Soft Flake)

Cationic Soft Flake

Nonionic Soft Flake

Polyester Napping Softener

T/C Napping Softener

Acrylic Napping Softener

Yarn Smooth Agent

Torn Preventing Agent
(Anti-split Agent)

Health Finishing Agent

Anti-mite Finishing Agent

Anti-bacterial Finishing Agent

Anti-mold Finishing Agent

Washable Anti-bacterial Finishing Agent

Skin Care Finishing Agent

Hyaluronic Acid Finishing Agent

Paclitaxel Anti-bacterial Finishing Agent

Anti-mosquito Finishing Agent

Other Functional Finishing Agent

Moisture Wicking Agent

Moisture Quick Drying Agent

Cool Core Finishing Agent

Antistatic Agent

Anti-pilling Agent

Flame Retardant Finishing Agent

Tri-proof Finishing Agent

Water Proof Finishing Agent

Low Formaldehyde Anti-Wrinkle Resin

Formaldehyde-free Stiff Resin

Eco-friendly Stiff Resin

Fragrance & Plant Extract Finishing Agent

Rose Finishing Agent

Osmanthus Fragrans Finishing Agent

Mint Finishing Agent

Lemon Finishing Agent

Ganoderma Lucidum Finishing Agent

Bird's Nest Finishing Agent

Lemongrass Finishing Agent

Tea Polyphenols Finishing Agent

Pearl Collagen Finishing Agent

V. Other Special Auxiliaries

Enzyme

H₂O₂ Killer Enzyme
(Deoxygenation Enzyme)

Acidity Cellulose Enzyme

Neutral Cellulose Enzyme

Polishing Enzyme

Nylon Auxiliaries

Nylon Spandex Degreaser

Nylon White Spot Preventing Agent

Nylon Antioxidant Agent

Anti Phenolic Yellowing Agent

Anti Heat Yellowing Agent

Nylon Washable Moisture Wicking Agent

Unique Repair Auxiliaries

Repair Agent
(Without requirement of removing silicone or fixing)

Weighting agent

Silicone Stripping Agent

Fixing Removing Agent

Fluorescence Stripping Agent

BLUE LAKE

Guangdong Innovative Fine Chemical Co., Ltd.

Factory Address:

East of Gucuo Section, Sishen Road, Liangying Town,
Chaonan District, Shantou City, Guangdong Province, China

Office Address:

Floor 8, Lechao Building, Huangshan Road, Longhu District,
Shantou City, Guangdong Province, China

Web:

www.textile-chem.com

E-mail:

sales@gdcxchem.com; gifchem123@gmail.com

Phone:

+86-15766227459