



LIMIN

# 浙江丽水利民生物科技有限公司

ZHEJIANG LISHUI LIMIN BIOTECHNOLOGY CO., LTD.

EXPLORE AND INNOVATE WITH RESPECT TO THE WORLD AND LOVE TO THE PEOPLE; PURSUE HARMONY AND WIN-WIN SITUATION WITH DILIGENCE

敬天爱人，探索创新，尽职尽责，和谐共赢

Tetrabutyl Urea

2017

1993

1965







愿景:成为双氧水辅料领域受人尊敬的公司

使命:致力于为客户提供特色增值服务

价值观:敬天爱人，探索创新，尽职尽责，和谐共赢

**Vision: Become a respected company in the Hydrogen peroxide materials field**

**Mission: Devote to special value-added services for customers**

**Value: Explore and innovate with respect to the world and love to people;  
pursue harmony and win-win situation with diligence and honesty**



## 认知 RECOGNIZATION

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RECOGNIZATION

认知



# COMPANY PROFILE

## 公司简介

1965

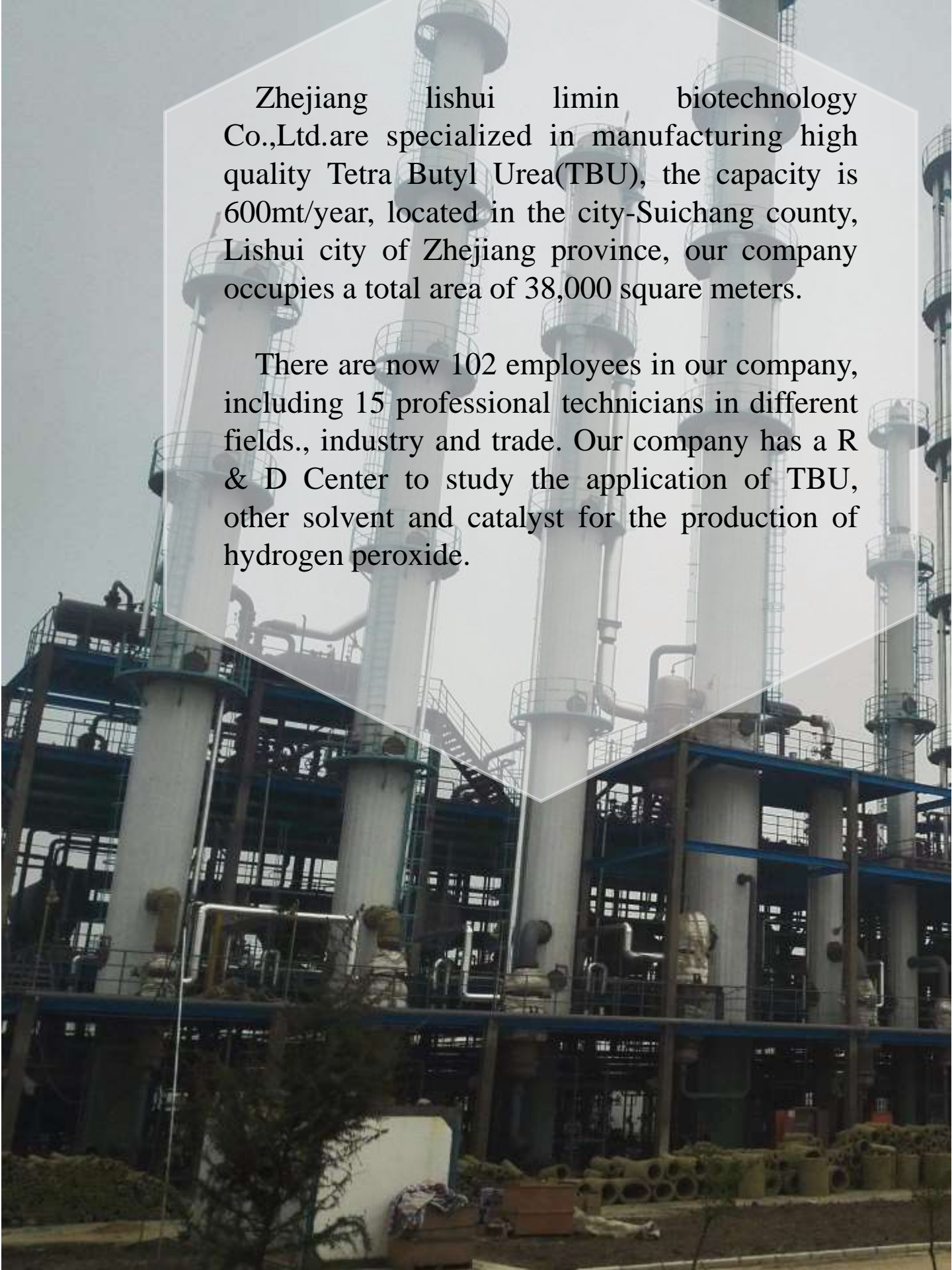
1993

2017

浙江丽水利民生物科技有限公司是一家专业生产和销售高纯度四丁基脲和医药中间体的公司，成立于2016年，占地面积38000平方米，员工102人，各类专业技术15人。公司下设有专门的研发机构，研究开发各类双氧水工作液用溶剂和催化剂。

公司下设有质量检测控制部门，各类分析检测设备齐全，拥有安捷伦液相色谱仪3台，岛津液相色谱仪2台，安捷伦毛细管气相色谱仪2台，梅特勒微量水份测定仪1台，微库仑硫氯分析滴定仪1台，数字熔点仪1台以及光谱分析仪等，以保证向客户提供高品质的产品。



The background image shows a large industrial plant, likely a chemical or pharmaceutical manufacturing facility. It features several tall, white distillation columns with metal ladders and walkways. A complex network of blue-painted pipes and structural steel frames is visible. In the foreground, there are some green plants and a small white structure. The sky is overcast.

Zhejiang lishui limin biotechnology Co.,Ltd.are specialized in manufacturing high quality Tetra Butyl Urea(TBU), the capacity is 600mt/year, located in the city-Suichang county, Lishui city of Zhejiang province, our company occupies a total area of 38,000 square meters.

There are now 102 employees in our company, including 15 professional technicians in different fields., industry and trade. Our company has a R & D Center to study the application of TBU, other solvent and catalyst for the production of hydrogen peroxide.

# DEVELOPMENT HISTORY

## 发展历程

⑤ 浙江丽水利民生物科技正式成立总投资为3期1.2亿，注册资本

4000万以倡导绿色化学为主导，实现零污染，零排放为主旨的以成为双  
氧水工作液辅料领先者为目标的高新技术型企业

Zhejiang Lishui Limin Biotechnology Co.,Ltd officially has a foundation of a total investment of 120 million, the registered capital is 40 million, To promote green chemistry as a leading manufacturer, to achieve zero pollution, zero emissions as the main purpose to become a leader in hydrogen peroxide working solutions as a global high-tech Type enterprise

2016

④ 集团计划投资双氧水辅助液

Group plans to invest in hydrogen peroxide  
auxiliary liquid

2003

③ 集团成立

The foundation of Limin Groupe

1990

1978

② 企业蓬勃发展

The development of Enterprise

1965

① 民爆企业，集团初期成型

The initial formation of the Group

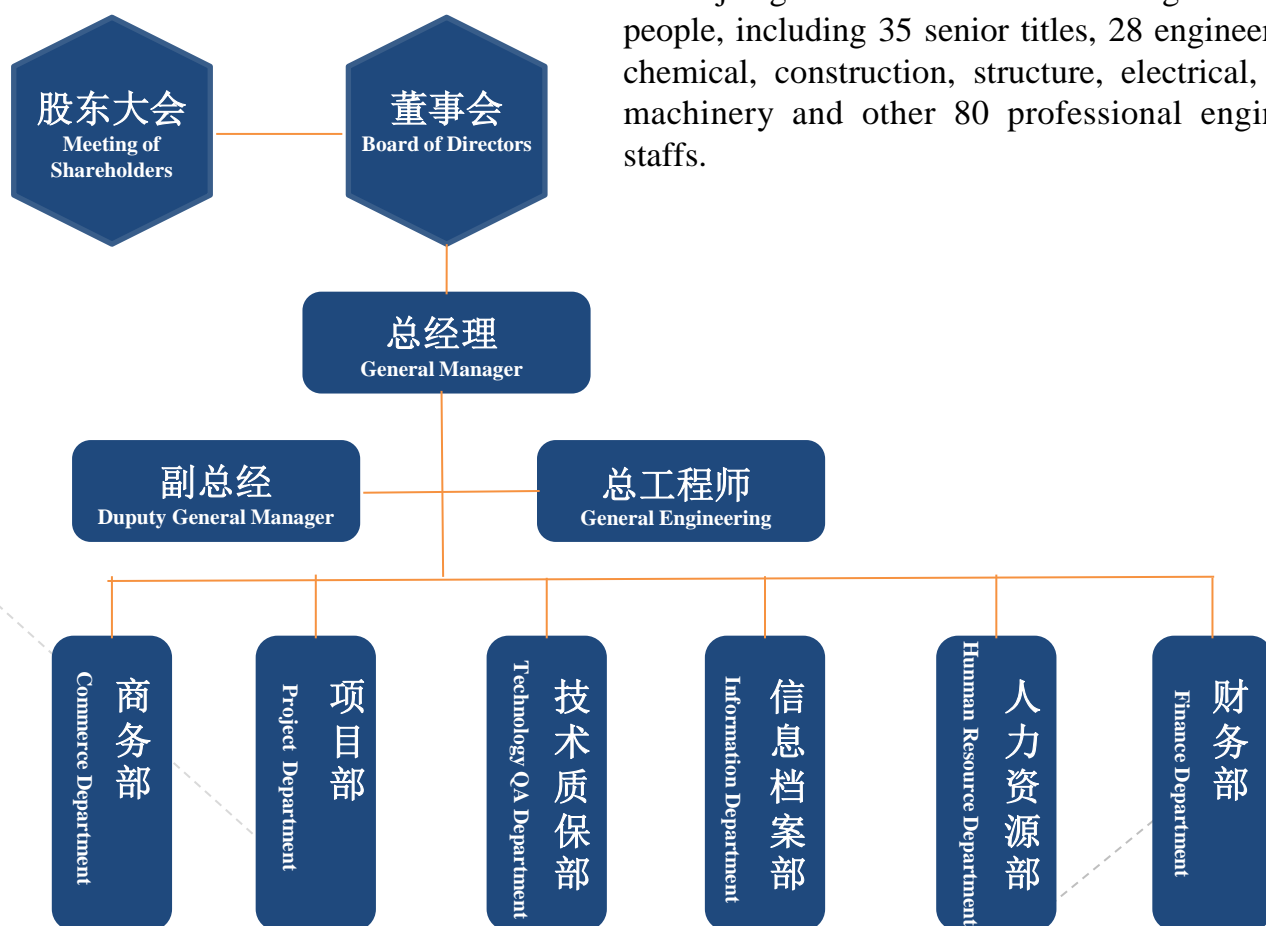


# ORGANIZATION STRUCTURE

## 组织架构

浙江丽水利民现有职工102人，其中高级职称有35人，工程师28人，拥有化工，建筑，结构，电气，动力，机械等专业工程人员80人。

Zhejiang Lishui Limin has existing staff of 102 people, including 35 senior titles, 28 engineers, with chemical, construction, structure, electrical, power, machinery and other 80 professional engineering staffs.



# QUALIFICATION CERTIFICATES OF THE COMPANY

## 企业资质







08/09 AWARDS 荣誉奖项



# AWARDS

## 荣誉奖项

50多年，利民化工承接了省内外数百次爆破项目，并前后在各精细化工领域中取得突出成果，其四丁基胍，美洛西林算等产品畅销国际市场

In 50 years, Limin chemical industry undertake hundreds of blasting projects inside and outside the Zhejiang province, and in fine chemical industry Limin Biotechnology Co., Ltd. has an outstanding achievements, the tetrabutyl urea, mezlocillin and other products sell well in the international market

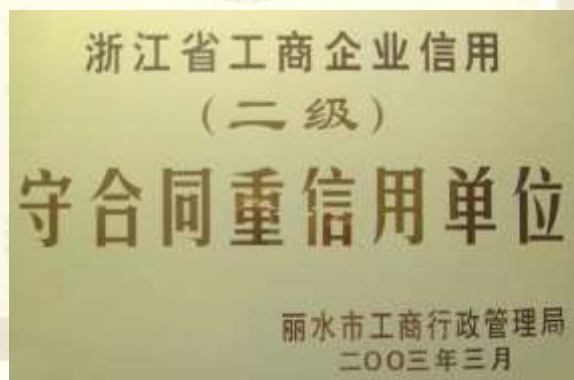




10/11 AWARDS 荣誉奖项

# AWARDS

## 荣誉奖项





# SERVICE SCOPE 服务领域

## 产品质量 Products Quality

优质原料→精准投料→变量精准控制→成品精确验收→第三方化验  
►Quality raw materials ►Precision feeding ►Variable precision control ►Finished product accurate acceptance ►Third party test

01



02

03

## 生产效率 Production efficiency

Production efficiency

全日制军事化管理→全退伍军人编制→  
严格高效化品控→24小时随机抽查产品  
质量→年产率高于1000吨

►Full - time militarization management ►All veteran workers  
with strict and efficient control ► 24 hours random sampling  
products quality ► Annual output higher than 1,000 tons TBU

## 产品价格 Production price

Production price

100%让利客户→最低利润  
→最高品质→最诚信经营  
→最高效货运→最规范包装

►Benefits for customers ►  
The lowest profit► The highest  
quality ► The most integrity  
management► The most efficient  
freight ► The most standardized  
packaging

# QA SYSTEM 质保体系

## 企业质量方针 Company Quality Policy

应用先进适用技术，开发优化工艺流程，确保产品质量。

Apply excellent technology, develop optimized process flow, ensure the product quality.

## 质量目标 Quality Target

坚持持续改进质量管理体系，确保产品运输速度及服务满足客户和有关法律要求

Uphold the continuous improvement quality management system to ensure the speed of transports and satisfy the need of customers and requirement of relevant laws

## 质量认证体系 QA Certificate System

利民化工通过了质量系审核中心的认证，并取得了ISO 9001:2008标准的认证

Limin QA system was certified with GB/T19901-2008 ( equivalent to ISO 9001:2008)

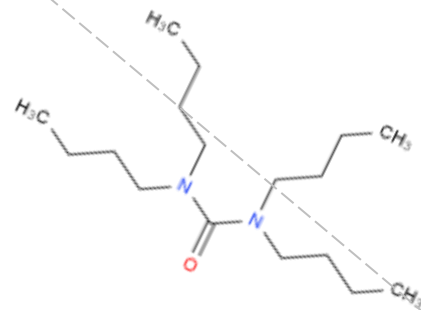


FINE PRODUCTS

精品







## TBU PRODUCTION 产品生产



项目	指标
含量, GC Area %	Min. 99.5
二正丁胺, GC Area %	Max. 0.1
密度, g/cc @ 25°C	0.873 - 0.878
悬浮物	无
色度 (APHA)	Max. 30
硫, ppm	Max. 1.0
氯, ppm	Max. 10.0
水份, %	Max. 0.1
界面张力, Dyne/cm, @25°C	18.5-20.5
外观	无色透明液体
闪点	140°C
沸点	310-315

### 四丁基脲 Tetra butyl urea (TBU)

► 分子式:  $C_{17}H_{36}N_2O_2$   
► CAS No. 4559-86-8

#### ► 质量规格:

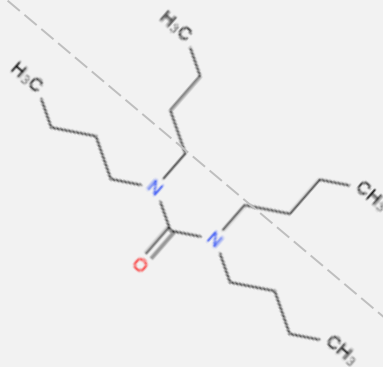
包 装 :175KG/ 桶 ,  
800KG/ 吨 20000KG ,  
槽罐车 或 根据用户需要。

► 我公司生产的TBU纯度能达到99.8%，密度区间合理，二正丁胺含量小于0.1%，均处于国内领先水准，硫，氯含量均低于国内同行，水分小于0.1，闪点，沸点皆能达到优质四丁基脲水准。

# TBU PRODUCTION

## 产品生产

**Tetra butyl urea (TBU)**  
Molecular Formula:  $C_{17}H_{36}N_2O$   
CAS No. 4559-86-8



►PACKING: 175KG/DRUM, 800KG/IBC, 20000KG ISO-TANK OR ACCORDING TO CUSTOMER

Property	Spec. limit
Purity, GC Area %	Min. 99.5
Dibutylamine, GC Area%	Max.0.1
Density, g/cc @ 25°C	0.873 – 0.878
Suspended Matter	None
Color (APHA)	Max. 30
Sulfur, ppm	Max. 1.0
Halogens, ppm	Max. 10.0
Water,%	Max. 0.1
IFT,Dyne/cm, @25°C	18.5-20.5
Appearance	Colorless,liquid. No particulates
Flash point	140°C
Boiling point	310-315°C

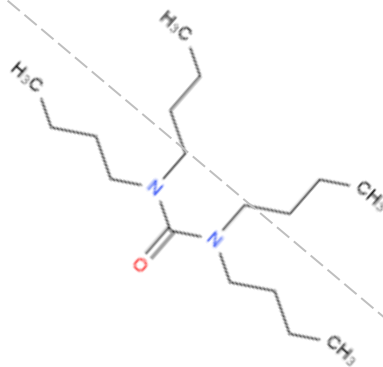
►The purity of TBU can reach 99.8%, the density range is reasonable, The contents of di-n-butylamine is less than 0.1%, those specification are in the leading level domestically in China , sulfur, chlorine content are lower than the domestic counterparts, Containing water is less than 0.1%, flash point is reasonable, we pursue the best to achieve high quality tetrabutylurea level.



16/17 产品包装 PRODUCTION PACKAGES

PRODUCTION PACKAGES

产品包装



- ISO tank 包装
- ISO tank packages



- IBC 包装
- IBC packages



- 原料槽罐车
- Raw material transport tanker



- 桶装包装
- Barrel packaging



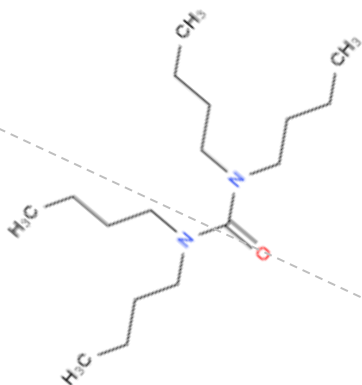
# PRODUCTION PACKAGES

## 产品包装



► 丽水利民生物科技有职业装卸工5名，其中有2位是国家级操作工，各类装卸，均有相关部门24小时监控，装卸工程各部门领导均现场监督把关，充分显示时效性，稳定性，和可靠性。

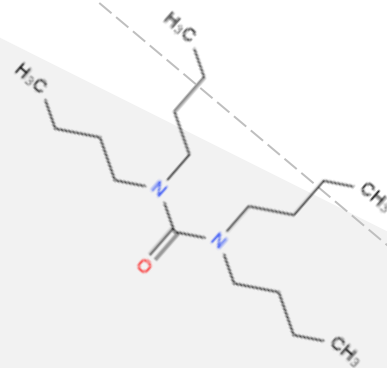
► Li Shui Linmin Biotechnology Co., Ltd. has five professional installing workers, one of which is a state-level operators, with spectacular all kinds of loading and unloading procedure, it has the relevant departments 24-hour monitoring, loading and unloading project departments are on-site supervision , to provide full display timeliness, stability, and reliability.





安捷伦7890A 气相色谱

Agilent Technologies 7890A Gc system



## DETECT APPARATUS 检测仪器

浙江丽水利民生物科技有限公司拥有安捷伦等高效品牌仪器37台，总投资537万余元，为保证公司品控，我公司配备专业技术人员12名，其中高级工程师5名，并保证24小时可检测。

Zhejiang Lishui Limin Biotechnology Co., Ltd. has 37 sets of highly efficient brand instruments such as Agilent, with a total investment of 5.37 million yuan. To ensure the company's quality control, our company is equipped with 12 professional and technical personnel, including 5 senior engineers and 24 hours Detection.

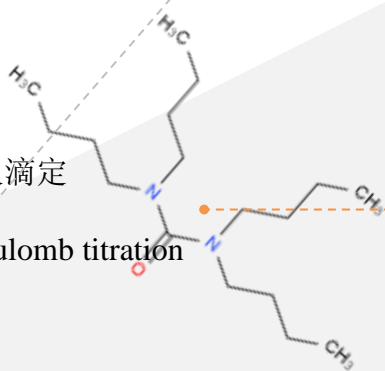


安捷伦1200seriesA 高效液相色谱

Agilent Technologies 1200 series HPLC

• 微库仑仪滴定

• Micro coulomb titration



• DSC熔点测试

• Differential scanning calorimetry  
melting point instrument

• 光谱分析

• Spectrophotometry



• 卡尔-费歇尔滴定仪测水

• Volumetric KF Titrator for water  
analysis



20/21 企业文化 CORPORATE CULTURE

FUTURE

致远



# CORPORATE CULTURE

## 企业文化

►关注员工的需求，创造良好的企业文化，增强员工对公司的认可度，归属感和责任感，使员工的发展目标与公司的战略目标相一致，实现员工，公司的共同发展和谐共赢

►Focus on the need of employees; create good corporate culture increase recognition,sense of belonging and responsibility of employees to our company; intergrate the development target of employees and strategic target of the company; realize mutual development and harmonious win-win situation between employees and the company



# INTERNATIONAL COOPERATION

## 国际合作



ARKEMA  
INNOVATIVE CHEMISTRY



PeroxyChem



EVONIK  
INDUSTRIES

为国际客户提供优质TBU是我们的核心理念，我们的TBU质量超过其他中国竞争对手，并且价格更低

Providing good quality TBU for international customers is our core philosophy, our TBU quality is superior to other Chinese competitors, and the price is lower.



GacL  
Promoting Green Technology

# DEVELOPMENT STRATEGY

## 发展战略

•基于对宏观环境及其行业发展的趋势分析判断的基础上，我公司制定了未来中长期发展的总体战略----“一个转变，两大领域，三项建设”。

•Based on the trend analysis of macro-economy and industrial development, the company formulated a general strategy for medium and long term development, that is: “one transformation, two fields and three construction.”



以实现向科技型公司转型为目标  
Realize the target of successful transformation to scientific technology company.



以为客户提供具有公司特色的增值服务为宗旨，全面完善公司运营管理体系，人力资源体系及组织保障体系  
Aiming at providing special value-added services to the clients, improve the operation management system, human resource system and organization structure system



实现工程设计咨询和工程总承包两大业务并举的格局  
Realize a new business structure with engineering design and EPC at its core





LIMIN

## 浙江丽水利民生物科技有限公司

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FOR TETRA BUTYL UREA