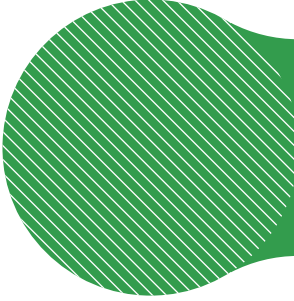
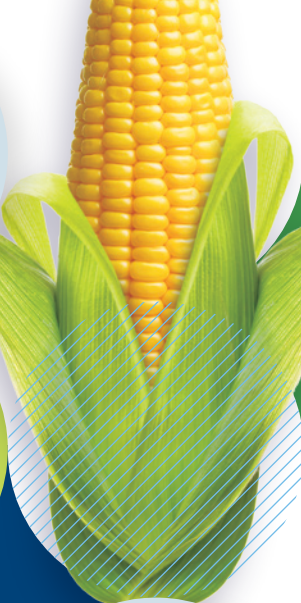
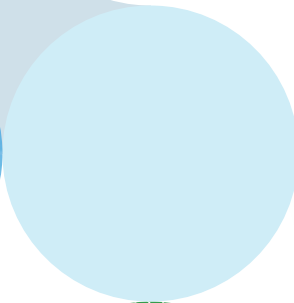




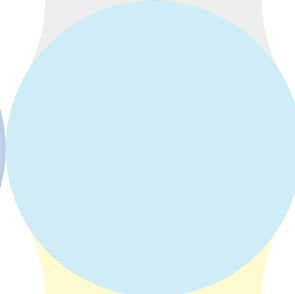
GLOBAL
Bio-Chem Technology Group Company Limited
大成生化科技集團有限公司*

Stock Code: 00809



2022

Environmental, Social and
Governance Report



* For identification purpose only

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ABOUT THIS REPORT

Introduction

Global Bio-chem Technology Group Company Limited (“**GBT**” or the “**Company**”) and its subsidiaries (collectively referred to as the “**Group**”) are principally engaged in the manufacture and sale of corn refined products, amino acids, corn sweeteners and polyol chemicals. We are aware that sustainable economic development and improvement of the livelihood of the population are the key trends in society. In order to ensure the sustainability and the harmonious relationship between the Group’s business and the environment, the Group recognises the importance of integrating Environmental, Social and Governance (“**ESG**”) aspects to enhance the Group’s daily operation and corporate governance perspective.

The Governance Structure

To demonstrate our commitment to sustainability, we have integrated corporate governance structure in preparing the Environmental, Social and Governance report for the year ended 31 December 2022 (the “**Year**”) (the “**ESG Report**”). We have established a corporate governance framework to ensure that ESG governance aligns with our strategic growth. The ESG governance structure of our Group consists of three components, namely the board (the “**Board**”) of directors (the “**Directors**”), the ESG working group and the internal audit department of the Company (the “**Internal Audit Department**”).

The Board is responsible for the Group’s ESG strategies and reporting, and ensuring the Group’s ESG targets and principles are embedded in the Group’s overall direction and strategies. To better manage and evaluate the ESG performance of the Group, the ESG working group has been established under the instruction of the Board to ensure the Group’s operation and business are running in accordance with the Group’s ESG strategies and moving towards the building of a sustainable business. The ESG working group comprises the financial controller and the senior management of the corporate development department. The participation of the Internal Audit Department is also included to ensure the Group’s risk management and internal control processes are in line with the Group’s ESG strategies.

The ESG working group is responsible for identifying business related ESG issues, determining the Group’s ESG objectives, tracking ESG performance and reporting the major issues to the Board. Our ESG working group arranges meetings annually to assess the effectiveness of the current policies and procedures, and establishes methods to improve ESG performance of the Group. During the meeting, the ESG working group will report on the Group’s effectiveness in achieving the goals, set targets for the coming year and discuss with the Board on issues that need to be resolved or improved in order to attain better ESG performance.

Good corporate governance requires constant review and identification of potential risks involved in the business operations. To help the Board and the ESG working group to identify these risks and issues, the Internal Audit Department also takes part in the ESG management in the aspects of risk management and internal audit to identify potential risks in the Group’s daily operation and suggest solutions to the Board and the management.

Reporting Scope

The ESG Report covers all principal business activities of the Group which have financial and operational significance which includes the Group's operations sites in Jilin Province (namely, Changchun and Dehui), Liaoning Province (namely, Jinzhou), Heilongjiang Province (namely, Harbin), and Shanghai City (most of the operations in Jilin Province, Liaoning Province and Heilongjiang Province have been suspended to reduce cashflow pressure) in the People's Republic of China (the "PRC" or "China"), as well as its headquarter in Hong Kong (since the headquarter in Hong Kong mainly serves as administration and financial reporting purposes which does not engage in the production processes, figures in relation to environmental emissions and operating practices were thus not available). The ESG Report covers the period from 1 January 2022 to 31 December 2022 with comparative figures for the corresponding period in 2021, unless otherwise stated. The data in the ESG Report are prepared and presented using consistent methodologies. There is no change in the methods and key performance indicators used in which the data were collected and compiled that will affect the meaningful comparison between the ESG Report and the ESG report of the Company for year ended 31 December 2021.

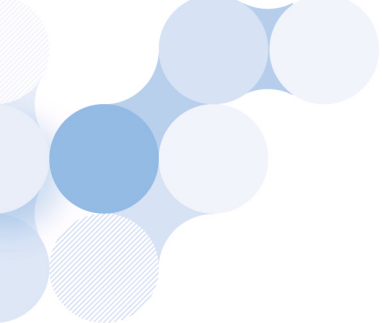
Reporting Standard

The content of this ESG report is prepared in compliance with the Environmental, Social and Governance Reporting Guide set out in the Appendix 27 to the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited (the "Listing Rules").

Information relating to the Group's corporate governance practices has been set out in the corporate governance report of the annual report of the Company for the Year.

Materiality Assessment

The Directors, management and the staff of the Group's respective operations have participated in the preparation of the ESG Report and assisted in reviewing and considering the Group's corporate values and mission, operations, competitive strategies, risk management framework and compliance with laws and regulations. The Group has conducted survey with them to assess the importance of matters related to our business and stakeholders. Based on the assessed significant ESG issues, a data collection questionnaire was prepared to collect information from relevant subsidiaries and business units of the Group. Interviews were also conducted with different employees to look into the details of various operations.



Stakeholder Engagement

The Group values input and feedback of its stakeholders as they are closely connected to the Group's development. Internal and external stakeholders have been involved in regular engagement activities to share their views regarding the Group's operations and performances, which are as shown below.

Stakeholders	Communication Channels
Shareholders and Investors	<ul style="list-style-type: none">• General Meeting and Other Investor Meetings• Annual Reports and Interim Reports• Announcements and Circulars• Investor Relations Enquiry• The Company's Website
Employees	<ul style="list-style-type: none">• Employee Feedbacks• Training Programmes and Team Building Activities• Regular Performance Review
Customers and Suppliers	<ul style="list-style-type: none">• Meetings and Direct Engagements• Industry Conferences and Events• The Company's Website
Public	<ul style="list-style-type: none">• The ESG Report• Community Activities and Social Events• The Company's Website

MESSAGE FROM CHAIRMAN

Since the conclusion of the 18th National Congress of the Communist Party of China in 2012, China has dedicated its efforts in building ecological civilisation, implementation of a series of strategies and measures in response to climate change, and actively participated in global climate governance. These efforts have achieved outstanding results. China has then amped up its efforts in the implementation of policies and measures, and strived to achieve the “dual carbon” goals aiming to peak carbon dioxide emissions by 2030 and achieve carbon neutrality before 2060. “Taking ‘Dual Carbon’ Actions Towards the Building of a Beautiful Home Together” was the chosen theme of the National Low-carbon Day in 2022, manifesting China’s determination to achieve the “Dual Carbon” goals. On the other hand, in order to facilitate the understanding of the progress of China in addressing climate change and share its practice and experiences in addressing climate change, the State Council Information Office released the white paper titled 《中國應對氣候變化的政策與行動》(China’s Policies and Actions to Address Climate Change*) in October 2022, stating the actions taken by China to reduce emissions and address climate change from the aspects of education, policy-making, technology and scientific research, economics and people’s livelihood.

During the Year, due to sporadic outbreaks of COVID-19 Pandemic in different regions in China, strict pandemic control policies have inevitably hindered China’s economic development. China’s economy only grew 3.0% year-on-year. As China’s pandemic control measures were fully lifted by the end of the Year with its economic activities gradually resuming, the country’s emission levels in 2023 are expected to return to pre-pandemic levels. Nonetheless, the country adheres to its ‘dual carbon’ goals. In order to achieve these goals, China has taken active measures to adjust its industrial structure, optimise its energy structure, promote energy conservation and efficiency improvement, control non-carbon dioxide greenhouse gas emissions, improve the carbon sink capacity of the ecosystem, promote the synergy of pollution reduction and carbon reduction, and carry out pilot demonstrations. China also strived to develop green and low-carbon industries, promote the building of a green manufacturing system with the construction of industrial clusters for industries such as new energy, new energy vehicles and green environmental protection. In addition, China has also launched the Chinese Certified Emission Reduction credit scheme (CCER) to step up its efforts in achieving carbon neutrality.

China’s commitments to reduce carbon emissions also set the trajectory for our future plans. It is the Company’s vision to provide healthy and sustainable products along the food chain and promote a greener environment using renewable resources. GBT has been dedicating its efforts in environmental protection with the target to achieve harmony between business development and environmental conservation. Although most of the production lines of the Group were suspended in 2022, our research and development (“**R&D**”) team continued its effort in developing green technologies and applications. Our goal is not only to comply with the relevant standards, but also to strive beyond and work towards continuous improvement in setting higher industry standards. Apart from our efforts in lowering emission level and conserving energy, the Group will dedicate its efforts in developing green products which minimise our environmental footprints and better suit customers’ needs. Following the resumption of operation of the Group’s amino acids production facilities at the end of the Year, the Group will continue its efforts to allocate resources to optimise its product mix and upgrade its production technology to ensure our corporate strategies are in line with our ESG strategies.

Sustainability is also built upon the foundation of good corporate governance. We are aware of how it contributes to long-term value creation and success of an enterprise in the long run. We understand that continuous effort shall be diligently dedicated to perfect our risk management and internal control systems from time to time. During the Year, our internal control team has continued its efforts in enhancing the Group’s enterprise risk management and internal control systems. At the same time, trainings and seminars were given to the management and the relevant staff to ensure the effectiveness of the internal control systems.





MESSAGE FROM CHAIRMAN

As we resumed part of our production operations, we will continue to devote all our efforts and energy to create maximum economic benefits for shareholders of the Company in order to reward their long-term support. At the same time, we will not overlook the interests of other stakeholders to ensure sustainability of our business as well as our community. We believe that our continuous efforts in our ESG strategies will bring together the Company and all of our stakeholders to strive for a brighter future.

Yang Jian

Chairman

April 2023

1. WORKPLACE QUALITY

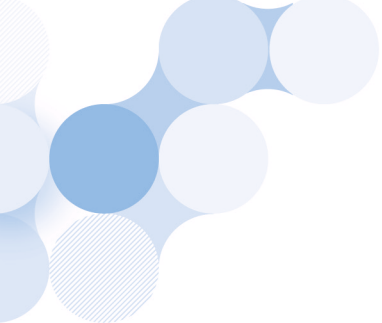
We consider our employees our business partners, of whom are essential to the success of the Group. GBT values every employee who contributes to the Group's success and emphasises the importance of a healthy and friendly working environment which lays a good foundation for its people to commit to the Group. GBT is keen to establish a corporate culture with self-discipline, inspirations and commitment. We aim to attract the best talents in the market with diversity, create a nurturing ground for both the Company and our people to grow and enjoy the fruits of our success together. Apart from offering competitive remuneration to our employees, GBT also provides them with trainings, career development and growth opportunities. GBT places high emphasis on workplace condition and safety industry but not limited to ensuring lawful and reasonable working hours and rest periods of our employees. This is one of the keys to our success.

The Group has formulated the compensation and benefits system and conducted regular salary adjustment to ensure that all employees are rewarded and recognised with respect to their efforts and contributions. Based on the Group's development strategies, current operating conditions, corporate compensation levels, business objectives and the industry's average salary levels, the human resources department of the Company (the "**Human Resources Department**") updates the human resources plan from time to time as guidelines for the human resources department of each operating subsidiary for the determination and adjustment of employees' salary. Through key performance indicators' management and performance appraisal, the salary of employees can be linked to their performance as well as the Company's business objectives.

With respect to the termination of the employment contract, it should be based on reasonable and lawful grounds. The Group strictly prohibits any kind of unfair or unreasonable dismissals.

The Group strictly follows the principles of equal opportunities in its employment policies, including recruitment, training, career development and promotion. The Group promotes fair competition. Any kind of discrimination against one's age, gender, religion, marital status, ethnic background, sexual orientation, disability, and pregnancy is strictly prohibited in the Group.





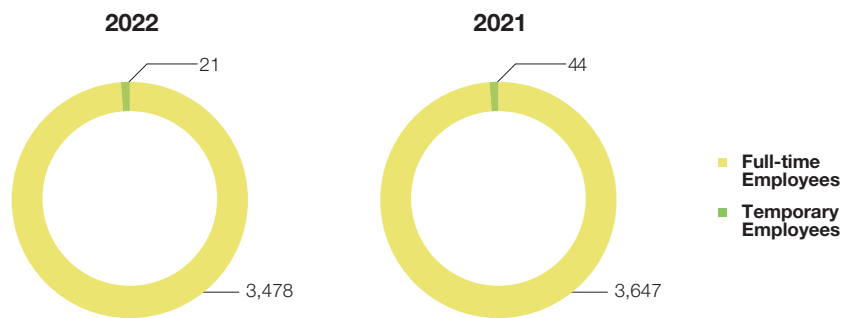
1. WORKPLACE QUALITY

1.1 Workplace Conditions

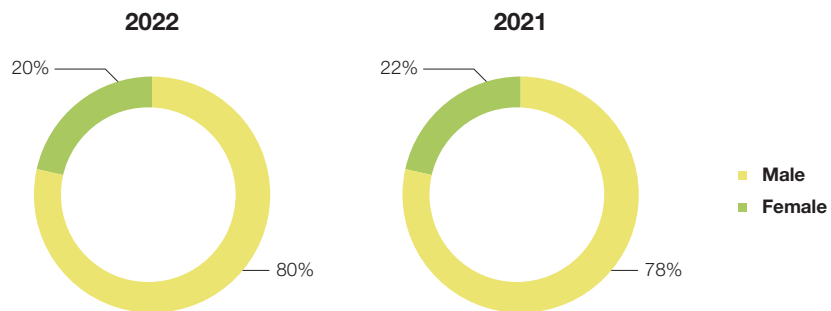
1.1.1 Employment Structure

Below charts show an overview of the Group's employment structure:

Employees by Employment Type

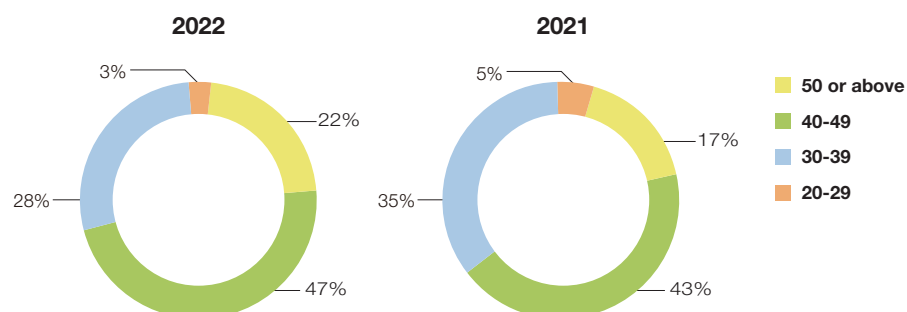


Employees by Gender

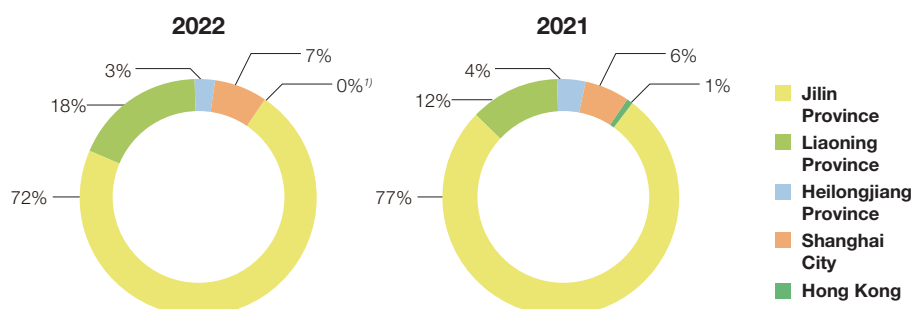


1. WORKPLACE QUALITY

Employees by Age



Employees by Geographical Location



Remarks:

2022: Figures as of 31 December 2022

2021: Figures as of 31 December 2021

1) Figure accounted for less than 0.5%.

1.1.2 Turnover Rate

The Group's turnover rate for the Year was approximately 5% (2021: 4%), out of which male employees accounted for 45% (2021: 87%) and female employees accounted for 55% (2021: 13%). Among the total number of turnover staff, 12% (2021: 0%) of them were temporary employees.

1. WORKPLACE QUALITY

The details of the turnover pattern are outlined in the tables below:

Turnover Rate by Geographical Region and Employment Type

	Jilin Province ¹⁾	Liaoning Province	Heilongjiang Province	Shanghai City	Hong Kong	Total
2022						
No. of Full-time Employees	127	10	13	19	0	169
No. of Temporary Employees	23	0	0	0	0	23
Total No. of Turnover Staff	150	10	13	19	0	192
Turnover Rate ²⁾	6%	2%	11%	6%	0%	5%
	Jilin Province ¹⁾	Liaoning Province	Heilongjiang Province	Shanghai City	Hong Kong	Total
2021						
No. of Full-time Employees	78	22	0	38	3	141
No. of Temporary Employees	0	0	0	0	0	0
Total No. of Turnover Staff	78	22	0	38	3	141
Turnover Rate ²⁾	3%	5%	0%	14%	21%	4%

Turnover Rate by Age and Employment Type

	50 or above	40-49	30-39	20-29	18-19	Total
2022						
No. of Full-time Employees	27	26	82	34	0	169
No. of Temporary Employees	0	23	0	0	0	23
Total No. of Turnover Staff	27	49	82	34	0	192
% to Total Turnover Staff	14%	26%	43%	17%	0%	100%
	50 or above	40-49	30-39	20-29	18-19	Total
2021						
No. of Full-time Employees	48	23	48	22	0	141
No. of Temporary Employees	0	0	0	0	0	0
Total No. of Turnover Staff	48	23	48	22	0	141
% to Total Turnover Staff	34%	16%	34%	16%	0%	100%

Remarks:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.
- 2) Internal transfer under the Group was not counted in turnover rate.

1. WORKPLACE QUALITY

1.1.3 Working Hours

Working hours for all employees under the Group in the PRC are in compliance with the local labour regulations including the Labour Law of the People's Republic of China (《中華人民共和國勞動法》) and the Labour Contract Law of the People's Republic of China (《中華人民共和國勞動合同法》).

For operations in the PRC, office workers work 5 days a week with 8 hours a day. Workers at the production sites work on shifts, 8 hours a shift. In any case where overtime work is required, overtime payment will be rewarded to employees as required under the PRC labour law. Employees' rest days and public holidays are formulated in line with the labour regulations in the PRC. Details of working hours, rest days and public holidays are outlined in the employment contracts for all employees.

All employees in Hong Kong work 5 days a week with 8 hours a day and enjoy rest days, public holidays and paid annual leave, etc. during employment. Those are in line with labour legislation in Hong Kong.

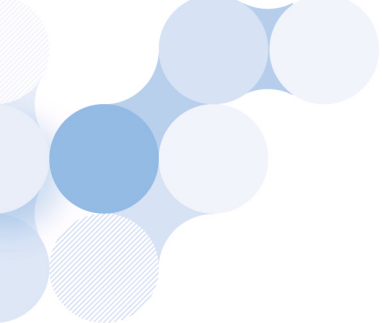
1.1.4 Staff Welfare and Benefits

GBT believes a highly motivated working team will be crucial to the development of the Company. Employees' remuneration packages are based on their job performance and reviewed individually every year to maintain competitiveness. Apart from this, employees have comprehensive medical, accidental and disability insurance coverage and retirement schemes (such as the Mandatory Provident Fund Schemes).

All GBT employees have insurance coverage as required by law and the Company complies with all the labour regulations and procedures, including the followings:

- Labour Law of the People's Republic of China (《中華人民共和國勞動法》)
- Labour Contract Law of the People's Republic of China (《中華人民共和國勞動合同法》)
- Social Insurance Law of the People's Republic of China (《中華人民共和國社會保險法》)
- Regulation on Work-Related Injury Insurances (《工傷保險條例》)
- Measures of Shanghai Municipality on the Basic Medical Insurance for Urban Employees (《上海市城鎮職工基本醫療保險辦法》)
- Interim Measures for the Administration of the List of Untrustworthy Parties in Arrears of Migrant Workers' Wages for Joint Punishment (《拖欠農民工工資失信聯合懲戒對象名單管理暫行辦法》)
- Employment Ordinance (Hong Kong) (《僱傭條例》(香港))
- Employment (Amendment) Ordinance 2022 (Hong Kong) (《2022年僱傭(修訂)條例》(香港))
- Minimum Wage Ordinance (Hong Kong) (《最低工資條例》(香港))
- Mandatory Provident Fund Schemes Ordinance (Hong Kong) (《強制性公積金計劃條例》(香港))
- Employees' Compensation Ordinance (Hong Kong) (《僱員補償條例》(香港))
- Employment and Retirement Schemes Legislation (Offsetting Arrangement) (Amendment) 2022 (Hong Kong) (《2022年僱傭及退休計劃法例(抵銷安排)(修訂)條例草案》(香港))





1. WORKPLACE QUALITY

Apart from this, the Group also provides welfare housing for eligible employees in the PRC. Applicants for welfare housing will be assessed by their service term and overall performance.

During traditional Chinese festivals, it is the Group's practice to give away gifts such as foodstuff and necessity to employees. The Group would also provide assistance to employees whose families are in difficulties from time to time.

1.1.5 Compliance with relevant laws and regulations

During the Year, the Group was not aware of any material breach of relevant laws and regulations, including among others, the laws, regulations and procedures set out in section 1.1.4 above relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunities, diversity, anti-discrimination and other benefits and welfare.

1.2 Occupational Health and Safety

GBT is committed to providing a safe and non-hazardous working environment for all staff. Apart from keeping update on the latest regulations by local and national authorities and government bodies, GBT reviews the working environment in each operation sites from time to time to ensure the health and safety of all staff. Such measures include those internal control procedures such as setting up a work safety inspection team (the "**Inspection Team**") to inspect the workflow procedures in the production sites from time to time, reporting any work-related accidents, remedies and improvement measures to be taken to the management in a timely manner, etc. All employees are trained before they carry out their duties to ensure they are fit for the job and continuous training are provided to minimise chance of work-related accidents.

1.2.1 Work-Related Accidents

There was no work-related fatal event (2020 and 2021: Nil and Nil) during the Year.

During the Year, four work-related accidents (2021: two) occurred in the Group's production sites. Among these accidents, three of them occurred in the Dehui production site in Jilin Province while the remaining one occurred in the Shanghai production site. For the three accidents that occurred in the Dehui production site, two of them occurred when workers were carrying out equipment checks while the remaining one occurred when a worker fell while stepping on a slippery surface. As for the accident that occurred in the Shanghai production site, the worker injured his collarbone and ribs while carrying out his job duties. These accidents resulted in minor body injuries. Lost days due to these injuries were 200 days (2021: 45 days). Subsequent to the accidents, the management team of the Group established investigation teams to inspect the production sites to strengthen labour protection so as to prevent reoccurrence of similar incidents. Save as disclosed above, there were no other major work-related accidents or disasters that occurred during the Year (2021: Nil).

1. WORKPLACE QUALITY

Details of the work-related accidents are as follows:

Operation Locations	Causes of work-related accidents in 2022											
	Manipulating Equipment		Slippery Surfaces		Discharging Goods		Careless Mistakes		Others		Total	
	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾
Jilin Province ³⁾	0	0	1	30	0	0	2	95	0	0	3	125
Liaoning Province	0	0	0	0	0	0	0	0	0	0	0	0
Heilongjiang Province	0	0	0	0	0	0	0	0	0	0	0	0
Shanghai City	0	0	1	75	0	0	0	0	0	0	1	75
Hong Kong	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	2	105	0	0	2	95	0	0	4	200

Operation Locations	Causes of work-related accidents in 2021											
	Manipulating Equipment		Slippery Surfaces		Discharging Goods		Careless Mistakes		Others		Total	
	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾	C ¹⁾	LD ²⁾
Jilin Province ³⁾	0	0	0	0	0	0	1	15	0	0	1	15
Liaoning Province	0	0	0	0	0	0	0	0	0	0	0	0
Heilongjiang Province	0	0	0	0	0	0	0	0	0	0	0	0
Shanghai City	1	30	0	0	0	0	0	0	0	0	1	30
Hong Kong	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	30	0	0	0	0	1	15	0	0	2	45

Remarks:

- 1) C: Number of work-related accidents cases
- 2) LD: Number of lost days
- 3) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.



1. WORKPLACE QUALITY

1.2.2 Implementation and Monitor of Occupational Health and Safety Measures

All operations of the Group comply with the labour law and safety regulations by local as well as national governments. List of laws and regulations that the Group complied with are as follows:

- Production Safety Law of the People's Republic of China (《中華人民共和國安全生產法》)
- Regulation on Work-Related Injury Insurance (《工傷保險條例》)
- Measures for the Ascertainment of Work-Related Injuries (《工傷認定辦法》)
- Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases (《中華人民共和國職業病防治法》)
- Regulations on the Safety Management of Hazardous Chemicals (《危險化學品安全管理條例》)
- Notice on the Approved Basis of One-Off Work-Related Death Subsidy 2022 (《關於2022年一次性工亡補助金核定基數的通知》)
- Occupational Safety and Health Ordinance (Hong Kong) (《職業安全及健康條例》(香港))

The Group has its own tailor-made work manuals (the “**Manuals**”) for employees, which incorporate all the occupational health and safety procedures. The Manuals are designed to comply with the regulations/laws above. The Group also set up the Inspection Team to ensure the implementation of these procedures. The Inspection Team carries out weekly inspections to ensure workplace safety to avoid any potential risk, reviews and improves the Manuals from time to time and offers internal training to staff. The Manuals also include guidance on the steps and procedures to be taken in case of emergency or accidents.

During the Year, the Group was not aware of any material breach of relevant laws and regulations, including among others, the list of laws and regulations set out above in this section relating to the provision of safe working environment to employees and protection of employees from occupational hazards.

1.3 Occupational Development and Training

GBT invests in the personal and vocational development of its employees. Career development and advancement opportunities are provided to dedicated staff. To improve employee's knowledge and skills to discharge duties at work, employees in different posts, regardless of one's gender and background, are provided with tailor-made training programmes, by both in-house and external institutions to ensure their performance are in line with the Group's expectations and the changing market.

The Group also actively promotes good corporate governance by offering chances for senior management and executives to attend seminars or forums organised by regulators or other professional authorities on topics such as corporate governance best practices, handling price sensitive information, risk management and updates on the latest Listing Rules, etc. Such training materials will be translated and circulated to the Board as well as subordinate staff in different departments as internal training materials. Internal trainings are given to the Board as part of the corporate governance practices.

1. WORKPLACE QUALITY

1.3.1 Training Programmes for Employees in China

Ordinary staff:

All subsidiaries under GBT follow the Group's training requirements and tailor-made/specific training programmes are offered to staff in different posts. All employees attend internal training programmes before commencement of work (including introduction of production processes, operation manual of machineries, work skills training, work safety procedures, management structure and corporate governance, etc.).

On top of this, on-the-job trainings such as work skills training, career planning guidance and training for promoted staff are provided for employees' continuous career development and improvement of their work skills. Implementation of staff training is handled by the Human Resources Department. Based on the assessment and recommendations by the head of each department on the needs and requirements for their relevant staff, the Human Resources Department formulates the standards, contents and plan for staff training every year. Assessment, examinations and questionnaires are given to staff after training to assess the effectiveness and results. Quiz competitions and forums are held regularly by the Group for staff to assess the effectiveness of and exchange their ideas on the training programmes.

In light of the industrial accidents occurred in the Group's production sites (for details, please refer to section 1.2.1), occupational safety training had been arranged for the production staff in each production site by the Group during the Year.

The details of training of ordinary staff in the PRC for the Year with comparative figures are as follows:

Average Hours of Training Received by Ordinary Staff in the PRC

	Male	Female	Average
2022¹⁾	9.8 hours	8.8 hours	9.3 hours
2021	3.6 hours	3.0 hours	3.3 hours

Percentage of Ordinary Staff in the PRC that Received Training

	Male	Female	Average
2022	44%	38%	41%
2021	49%	45%	47%

Remark:

- 1) During the Year, the average training hours of the ordinary staff in the PRC increased as compared to the year ended 31 December 2021 as training resumed for staff at the Group's production facilities in Dehui prior to its resumption of operation in mid December 2022.

1. WORKPLACE QUALITY

Managerial grade or above:

Training programmes for employees of managerial grade or above are provided mostly in-house, with seminars or talks organised by external parties on specific topics occasionally or according to market needs. Employees of managerial grade or above may attend training sessions on topics such as professional knowledge, corporate culture, sales and marketing, occupational safety, strengthening skills in management and policy implementation. Such training sessions were carried out by way of seminars, video training and reading sessions. Certain subsidiaries under the Group offer training sessions for employees of managerial grade or above employees on occupational safety, market expansion and professional training.

The details of training of staff at managerial grade or above in the PRC for the Year with comparative figures are as follows:

Average Hours of Training Received by Managerial Grade or Above Staff in the PRC

	Male	Female	Average
2022¹⁾	5.7 hours	5.1 hours	5.4 hours
2021	3.9 hours	3.5 hours	3.7 hours

Percentage of Managerial Grade or Above Staff in the PRC that Received Training

	Male	Female	Average
2022²⁾	36%	39%	38%
2021	100%	100%	100%

Remarks:

- 1) During the Year, the average hours of training for staff of managerial grade or above in the PRC increased as compared to the year ended 31 December 2021. Such increase was mainly attributable to the resumption of operation of the production site in Dehui.
- 2) As staff of managerial grade or above in most of the production sites of the Group were on leave during the Year due to the suspension of operation, the percentage of managerial grade or above staff in the PRC that received training dropped.

1.3.2 Training Programmes for Employees at the Headquarter in Hong Kong

Ordinary staff:

All new employees are given an introduction session on the Company's operation, corporate governance and corporate culture. All employees are given a copy of the Company's employee handbook as guidelines. Internal and external trainings in relation to professional knowledge and the Listing Rules are also provided via seminars and reading sessions on a continuous basis.

Continuing education allowance scheme has been provided by the Company to all employees in the Hong Kong office since 2016 to facilitate employees in accelerating their professional development.

1. WORKPLACE QUALITY

The details of training of ordinary staff in Hong Kong with comparative figures for the Year are as follows:

Average Hours of Training Received by Ordinary Staff in Hong Kong

	Male	Female	Average
2022	15.0 hours	8.0 hours	11.5 hours
2021	13.0 hours	9.0 hours	11.0 hours

Percentage of Ordinary Staff in Hong Kong that Received Training

	Male	Female	Average
2022	75%	72%	73%
2021	100%	57%	73%

Managerial grade or above:

Trainings for employees of managerial grade or above mainly cover the following aspects: corporate governance, business management and administration, professional knowledge and the Listing Rules. Such trainings are in the form of lectures and seminars organised by internationally renowned universities in Hong Kong and overseas, regulators or other professional bodies such as The Stock Exchange of Hong Kong Limited, The Hong Kong Institute of Certified Public Accountants and The Hong Kong Chartered Governance Institute. Apart from this, the company secretary of the Company will update the Company's management from time to time regarding the latest changes in the Listing Rules and guidelines from The Stock Exchange of Hong Kong Limited to ensure their work are in compliance with the Listing Rules.

The details of training of staff at managerial grade or above in Hong Kong with comparative figures for the Year are as follows:

Average Hours of Training Received by Managerial Grade or Above Staff in Hong Kong

	Male	Female	Average
2022	11.0 hours	12.0 hours	10.0 hours
2021	12.0 hours	6.0 hours	9.0 hours

Percentage of Managerial Grade or Above Staff in Hong Kong that Received Training

	Male	Female	Average
2022	100%	100%	100%
2021	100%	100%	100%





1. WORKPLACE QUALITY

1.4 Labour Standards

GBT has stringent recruitment procedures to avoid child or forced labour. The Group's labour standards and recruitment procedures are in compliance with all the local as well as national labour regulations. The human resources department of each subsidiary will handle all staff-related matters including recruitment, remuneration, training and other welfares to make sure the Group complies with the relevant labour regulations.

Recruitment and employment under GBT are in strict compliance with all the local and national labour laws and regulations, including the followings:

- Labour Law of the People's Republic of China (《中華人民共和國勞動法》)
- Labour Contract Law of the People's Republic of China (《中華人民共和國勞動合同法》)
- Law of the People's Republic of China on the Protection of Minors (《中華人民共和國未成年人保護法》)
- Vocational Education Law of the People's Republic of China (《中華人民共和國職業教育法》)
- Provisions on the Prohibition of Using Child Labour (《禁止使用童工規定》)
- Provisions on Special Protection for Juvenile Workers (《未成年工特殊保護規定》)
- Provisions on the Handling of Criminal Record Checks by Public Security Organs (《公安機關辦理犯罪紀錄查詢工作規定》)
- Employment Ordinance (Hong Kong) (《僱傭條例》(香港))
- Employment (Amendment) Ordinance 2022 (Hong Kong) (《2022年僱傭(修訂)條例》)
- Employment of Children Regulations (Hong Kong) (《僱用兒童規例》(香港))

1.4.1 Recruitment Procedures and Standards

As a part of recruitment and internal procedures, use of child or forced labour is strictly prohibited in the Group and this is explicitly cited in the recruitment guidelines of each subsidiary under the Group. The Group has maintained a database of the qualifications and requirements for different positions and a well-established structure for each department in each subsidiary. Such information would serve as a guideline for recruiting new staff to fit in the position under recruitment. Department supervisors would notify and apply for recruitment of new positions or replacement to the human resources department. The human resources department would assess the application and approve or disapprove based on the results of assessment. Recruitment channels of the Group include recruitment agencies, recruitment websites, campus recruitment and internal referral. Respective candidates should pass written tests and interviews and verification check of their academic qualifications and identity. The human resources department will arrange the signing of a formal employment contract upon confirmation of the employment and keep file of all personal data of each employee as required by the relevant labour law.

1. WORKPLACE QUALITY

1.4.2 Remedial Measures in Case of Non-compliance

In case of non-compliance relating to child or forced labour, the Group would report the case to the police, the local labour bureau or equivalent authorities immediately and provide any appropriate assistance to the victim(s), including sending the victim(s) back home. The Group would endeavour to ensure the employees of its subsidiaries to co-operate with the police, the local labour bureau or equivalent authorities during the investigation of the crime. If it is discovered that such crime is caused by an act of negligence of the employee(s) of the Group, the Group would immediately terminate the employment contract with the relevant employee(s) and compensate any loss and damage which has been caused to the victim(s). However, if it is found that such crime was caused by fraudulence by any parties, the Group would take any necessary legal action against the fraudster.

During the Year, the Group was not aware of any material breach of relevant laws and regulations, including among others, those listed under section 1.4 above relating to child and forced labour.

The Group has not been involved in any case of non-compliance on child or forced labour during the Year (2021: Nil).





2. ENVIRONMENTAL PROTECTION

Ecosystem integrity is extremely important to our natural habitat. An imbalanced ecosystem will disrupt global climate and food supply. It is thus important for us to behave and contribute in a way to minimise our environmental footprints that lead to climate change. To mitigate the effect from climate change, as a responsible corporate, we share the responsibilities to reduce emissions and minimise our footprint on the environment to slow down the process. Since the major raw material of the Group is corn kernels, a crop which is susceptible to climate change, the harvest of corn will directly affect the business of the Group. For instance, the severe flooding due to heavy rainfall in the northeastern part of the PRC in August 2022 has caused reduction of corn harvest in Northeast China during the Year. Apart from that, extreme climate resulting from climate change will disrupt transportation network and change consumption patterns of consumers overall. As such, the Group has built strong awareness on environmental conservation and places it at equal importance alongside our business development. It is the Group's mission to maintain environmental sustainability together with its business growth.

To achieve this, the management of the Group has during the Year:

- 1) continued to devote R&D effort to production efficiency and lower greenhouse gas emission;
- 2) reduced waste disposal and imposed stringent wastewater treatment standards against the discharge of pollutants;
- 3) promoted use of recycled materials and renewable and biodegradable resources;
- 4) promoted sustainable use of energy, water, crops and other raw materials;
- 5) promoted energy conservation; and
- 6) complied with the relevant environmental regulations in all production facilities.

2.1 Emission

The Group has set up a supervising team (the “**Supervising Team**”) in each subsidiary to monitor emissions of gas, discharge of waste water and generation of hazardous and non-hazardous wastes. The Supervising Team is responsible for the formulation of emission/discharge control procedures and environmental protection measures, regular check and evaluation of emission standards, and ensuring those standards are in compliance with the relevant national and local environmental regulations. Upon the request from the local environmental protection bureau, each subsidiary would also submit emission and discharge samples for random check.

2. ENVIRONMENTAL PROTECTION

2.1.1 Types of Emissions and Respective Emission Data

During the production processes of the Group, certain amount of sulfur dioxide, nitrogen oxide, wastewater and cinders would be emitted/ discharged. The emission data are outlined in the tables below:

Summary of the Types of Emission and Emission Data in 2022

Operation Locations	Air Emissions			
	Sulfur Dioxide (metric tonne)	Nitrogen Oxide (metric tonne)	Wastewater (metric tonne)	Cinders (metric tonne)
Jilin Province ¹⁾	4	10	33,383	2,187
Liaoning Province ²⁾	0	0	0	0
Heilongjiang Province ²⁾	0	0	0	0
Shanghai City ³⁾	0	10	208,753	0
Total	4	20	242,136	2,187

Summary of the Types of Emission and Emission Data in 2021

Operation Locations	Air Emissions			
	Sulfur Dioxide (metric tonne)	Nitrogen Oxide (metric tonne)	Wastewater (metric tonne)	Cinders (metric tonne)
Jilin Province ¹⁾	6	20	0	7,140
Liaoning Province ²⁾	0	0	0	0
Heilongjiang Province ²⁾	0	0	0	0
Shanghai City ³⁾	0	13	313,533	0
Total	6	33	313,533	7,140

Remarks:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.
- 2) The operations of the Group's production sites at Liaoning and Heilongjiang Province have been suspended since 2020 and 2019, respectively.
- 3) No cinders emission record was available in the Shanghai production site as it used biomass pellet fuel for production instead.



2. ENVIRONMENTAL PROTECTION

2.1.2 Direct and Energy Indirect Greenhouse Gas Emissions

Summary of the Greenhouse Gas Emissions Performance

Operation Locations	2022 Indicators		2021 Indicators	
	Scope 1 ¹⁾ (tCO ₂ e)	Scope 2 ²⁾ (tCO ₂ e)	Scope 1 ¹⁾ (tCO ₂ e)	Scope 2 ²⁾ (tCO ₂ e)
Jilin Province ³⁾	0	21	0	1
Liaoning Province	0	1	0	1
Heilongjiang Province	0	1	0	1
Shanghai City	0	32,850	0	26,000
Total	0	32,873	0	26,003

Summary of Unit Greenhouse Gas Emissions Per Metric Tonne of Product Produced

Operation Locations	2022 Indicators		2021 Indicators	
	Scope 1 ¹⁾ (tCO ₂ e)	Scope 2 ²⁾ (tCO ₂ e)	Scope 1 ¹⁾ (tCO ₂ e)	Scope 2 ²⁾ (tCO ₂ e)
Jilin Province ³⁾	0.00	0.01	0.00	0.00
Liaoning Province	0.00	0.00	0.00	0.00
Heilongjiang Province	0.00	0.00	0.00	0.00
Shanghai City	0.00	0.39	0.00	0.31
Average	0.00	0.37	0.00	0.31

Remarks:

- 1) Scope 1 covers the direct emissions of greenhouse gas (i.e. carbon dioxide) from sources owned and controlled by the Company. No Scope 1 emissions have been recorded as the operations of all production sites with coal-based power plant were suspended during the relevant year.
- 2) Scope 2 covers the indirect emissions of greenhouse gas (i.e. carbon dioxide) resulting from the generation of purchased electricity by the Company.
- 3) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.

Despite the resumption of operation of the production site in Dehui, overall emission level of the Group remained at similar level during the Year as compared to that of the previous year as the resumption only took place in the midst of December 2022.

2. ENVIRONMENTAL PROTECTION

Under the PRC's emission standards, there is no written standard on the quantity of greenhouse gases emitted. However, the Ministry of Ecology and Environment of the PRC has written guidelines on the emission concentration and quality. These guidelines are written on the "Emission Permit" issued by the local environmental protection bureau to the subsidiaries of the Group, or as updated from time to time. As the total emission level of the Group is subject to our production volume and most of our production has been suspended since the end of 2019, while the operation of the Group's production site in Dehui resumed only since end of the Year where production plan for 2023 is still subject to further adjustment, it is thus unrealistic to set emission target for 2023. Depending on the progress of resumption of the operation of the Group's subsidiaries, it will then be appropriate for the Group to disclose our emission target when the Group resumes normal operation. On the other hand, the Group strives to adopt higher quality coal in the production sites where there is an internal power plant with the aim to reduce overall emission level.

The Group's production processes would emit certain pollutants such as sulfur dioxide and nitrogen oxide. In case where the emission level of the Group goes beyond the emission standards as set out in the guidelines issued by the local environmental protection bureau, the relevant Supervising Team will alert the relevant division in the production department and the production plant immediately to fix the problem. In addition, real time monitoring devices are placed at all discharge outlets of the Group's facilities and connected with the local environmental protection bureau's network to keep track of emission data. Such data is also subject to real time monitoring by the Environment Protection Information Centre of the City as well as the Provincial Environmental Protection Information Centre.

All production sites of the Group in the PRC have their own wastewater treatment facilities in place to remove physical, chemical and biological contaminants from wastewater (from both industrial and domestic sewage in the production sites), with the objective to produce an environmentally-safe sewage discharges and recycle uses. The Supervising Team monitors the discharges of wastewater by the wastewater treatment facilities of the Group every hour through sample testing to ensure the pH value, Chemical Oxygen Demand ("**COD**") value and discharge volume of the wastewater are in line with the relevant laws and regulations. Similar with the emission of greenhouse gases, monitoring devices are placed at all discharge outlets of the Group's wastewater treatment facilities and connected with the local environmental protection bureau's network to keep track of emission data such as COD value. Such data is also subject to real time monitor by the Environment Protection Information Centre of the City as well as the Provincial Environmental Protection Information Centre.

With respect to the cinder produced by the power plants, it will be sold as raw material for the production of cinder blocks after treatment.

The Group's emission and discharge of wastes are in compliance with local laws and regulations. No penalty nor warning has been received by the Group during the Year (2021: Nil).



2. ENVIRONMENTAL PROTECTION

2.1.3 Hazardous and Non-Hazardous Waste Produced

Summary of Hazardous and Non-Hazardous Waste Produced in 2022

Operation Locations	Hazardous Waste		Non-Hazardous Waste				
	Lubricating Oil (metric tonne)	Experimental Effluent (metric tonne)	Cardboard (metric tonne)	Plastics (metric tonne)	Flexitank (metric tonne)	Scrap Metal (metric tonne)	Food Waste (metric tonne)
Jilin Province ¹⁾	11 ²⁾	0	0	0	0	0	6
Liaoning Province ³⁾	0	0	0	0	0	0	0
Heilongjiang Province ³⁾	0	0	0	0	0	0	0
Shanghai City	0	0	8	14	3	12	0
Total	11	0	8	14	3	12	6

Summary of Hazardous and Non-Hazardous Waste Produced in 2021

Operation Locations	Hazardous Waste		Non-Hazardous Waste				
	Lubricating Oil (metric tonne)	Experimental Effluent (metric tonne)	Cardboard (metric tonne)	Plastics (metric tonne)	Flexitank (metric tonne)	Scrap Metal (metric tonne)	Food Waste (metric tonne)
Jilin Province ¹⁾	0	0	0	0	0	0	0
Liaoning Province ³⁾	0	0	0	0	0	0	0
Heilongjiang Province ³⁾	0	0	0	0	0	0	0
Shanghai City	0	0	19	57	0	41	0
Total	0	0	19	57	0	41	0

Remarks:

- 1) *The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.*
- 2) *Maintenance works were carried out prior to the resumption of the Group's production site in Dehui which incurred the disposal of certain waste lubricating oil.*
- 3) *The operations of the Group's production sites at Liaoning and Heilongjiang Province have been suspended since 2020 and 2019, respectively.*

2. ENVIRONMENTAL PROTECTION

Summary of Unit Hazardous Waste and Non-Hazardous Waste Per Metric Tonne of Product Produced in 2022

Operation Locations	Hazardous Waste		Non-Hazardous Waste				
	Lubricating Oil (kg)	Experimental Effluent (kg)	Cardboard (kg)	Plastics (kg)	Flexitank (kg)	Scrap Metal (kg)	Food Waste (kg)
Jilin Province ¹⁾	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Liaoning Province	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heilongjiang Province	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shanghai City	0.00	0.00	0.01	0.02	0.01	0.01	0.00
Average	0.01	0.00	0.01	0.02	0.01	0.01	0.01

Summary of Unit Hazardous Waste and Non-Hazardous Waste Per Metric Tonne of Product Produced in 2021

Operation Locations	Hazardous Waste		Non-Hazardous Waste				
	Lubricating Oil (kg)	Experimental Effluent (kg)	Cardboard (kg)	Plastics (kg)	Flexitank (kg)	Scrap Metal (kg)	Food Waste (kg)
Jilin Province ¹⁾	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liaoning Province	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heilongjiang Province	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shanghai City	0.00	0.00	0.13	0.38	0.00	0.27	0.00
Average	0.00	0.00	0.13	0.38	0.00	0.27	0.00

Remark:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.

During the Year, the resumption of operation in the Group's production site in Dehui has led to the production of small amount of hazardous wastes. On the other hand, due to the temporary suspension of the Group's production site in Shanghai in the second quarter of the Year (the "Shanghai Temporary Suspension") as a result of the lockdown measures implemented by the local government, the amount of non-hazardous wastes produced by the Group dropped during the Year as production volume dropped.

The hazardous waste of the Group will be treated and disposed in accordance with the guidelines issued by the local environment protection bureau while certain hazardous and non-hazardous wastes could be recycled or reused. As the operation of most of the Group's production sites has been suspended, while the operation of the Group's Dehui production site resumed only since end of the Year where production plan for 2023 is still subject to further adjustment, it is not appropriate to set reduction targets for both hazardous and non-hazardous wastes for 2023. Nevertheless, we will continue to focus on the reduction and recycle use of wastes through internal training sessions to staff to raise environmental awareness. At the same time, the Group will utilise its R&D capabilities on the application of new technologies in waste recycling and treatment of solid waste prior to disposal when the operation resumes.



2. ENVIRONMENTAL PROTECTION

Apart from that, the Group is currently considering incorporating staff's performance in relation to environmental awareness such as disposal of wastes and energy conservation for each operation sites in their annual appraisal to enhance staff's initiatives to reduce waste disposal.

2.1.4 *Recycle Use of Wastewater*

With respect to water conservation, a portion of the wastewater of the Group will be recycled after wastewater treatment and biological treatment. Recycled water will be used as cooling agent in production and daily use such as cleaning and flushing water. Apart from wastewater, certain catalysts used during the production process could also be recycled after rinsing and filtration.

2.1.5 *Compliance with the Relevant Laws and Regulations on Emissions*

All subsidiaries under GBT are in strict compliance with the relevant laws and regulations on emission amounts, emission standards and the monitoring of emission data. These laws and regulations include:

- Environmental Protection Law of the People's Republic of China (《中華人民共和國環境保護法》)
- Law of the People's Republic of China on Conserving Energy (《中華人民共和國節約能源法》)
- Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution (《中華人民共和國大氣污染防治法》)
- Law of the People's Republic of China on the Prevention and Control of Water Pollution (《中華人民共和國水污染防治法》)
- Law of the People's Republic of China on the Prevention and Control of Environmental Pollution Caused by Solid Waste (《中華人民共和國固體廢物污染環境防治法》)
- Catalogue of Classified Management of Pollutant Discharge Permits for Stationary Pollution Sources (2019 Version) (《固定污染源排污許可分類管理名錄(2019年版)》)
- Air Pollution Prevention and Control Regulations of Jilin Province (Revised) (《吉林省大氣污染防治條例(修訂)》)
- The Administrative Measures for Pollutant Discharge Licensing (for Trial Implementation) (《排污許可管理辦法(試行)》)
- Reform Program of the Ecological Environmental Damage Compensation System (《生態環境損害賠償制度改革方案》)
- Policies for Technologies Used to Prevent and Clean Up Pollution in the Sugar Industry (《製糖工業污染防治技術政策》)
- Discharge Standard of Water Pollutants for Sugar Industry (《製糖工業水污染物排放標準》)
- Discharge Standard for Municipal Sewerage System (《污水排入城鎮下水道水質標準》)
- Integrated Standard of Wastewater Discharge of Shanghai City (《上海市污水綜合排放標準》)
- Integrated Standard of Wastewater Discharge of Liaoning Province (《遼寧省污水綜合排放標準》)
- Emission Standard of Air Pollutants from Industrial Kilns and Furnaces (《工業爐窯大氣污染物排放標準》)
- Emission Standard of Air Pollutants from Thermal Power Plants (《火電廠大氣污染物排放標準》)
- Emission Standard for Air Pollutants from Boilers (《鍋爐大氣污染物排放標準》)
- Emission Standard for Industrial Enterprises Noise at Boundary (《工業企業廠界環境噪聲排放標準》)

2. ENVIRONMENTAL PROTECTION

During the Year, the Group was not aware of any material breach of relevant laws and regulations, including among others, those listed above in this section relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.

2.2 Use of Resources

The production processes of the Group would involve the consumption of water, electricity, steam, coal and packaging materials. As the majority of the Group's products are feed and food grade products, it is crucial for the Group to source water from reliable sources. Therefore, the Group's source of water comes mainly from the local water supplies with a portion of recycled water. As the local utility providers are controlled by the local government, source of water is relatively stable and reliable, the Group has not encountered any problem in sourcing water in all of its production sites. As for electricity, most of the Group's production sites have a power plant in place. During the Year, approximately 7% (2021: 14%) of the electricity needs for the Group's production was supplied by the power plant internally with the shortfall sourcing from local Electricity Supply Bureau. The reduction in the proportion was a result of the suspension of operation in most of the Group's production sites in which the power plants were running at low utilisation rate. Owing to the suspension of operation of most the Group's production facilities, targets set for water and electricity efficiency will not be available until our operation resumes to normal level. All the steam required for production is generated by the boilers in the power plants. Coal and packaging materials are sourced from the market by bids and tenders. To ensure the quality of the suppliers and their services, all suppliers should pass the Group's standard verification procedures and quality assurance process before being recognised as the Group's suppliers.

Regarding the use of resources, all subsidiaries under the Group are encouraged to take part in energy conservation scheme to promote environmental awareness amongst the employees. Results of energy conservation are included as one of the parameters in the annual appraisal of each subsidiary of GBT as well as individual staff.

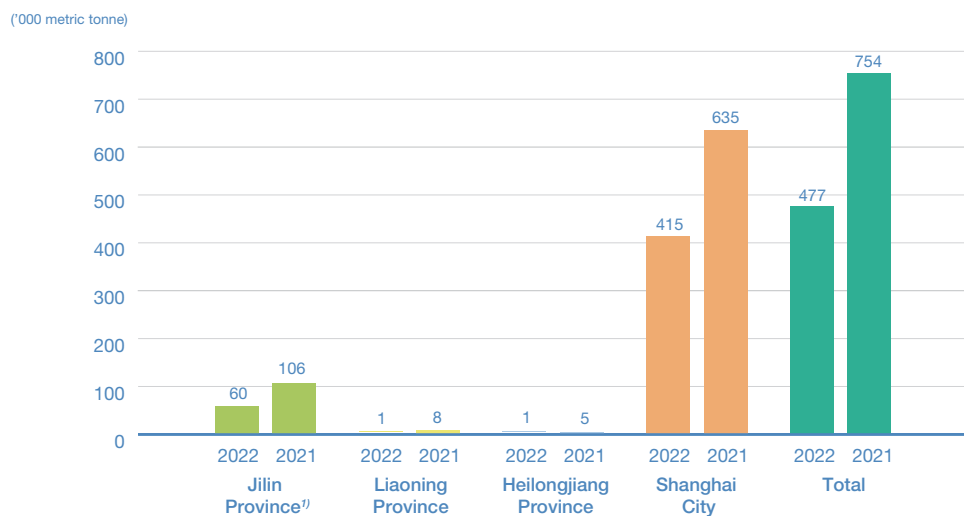
2.2.1 Summary of Consumption of Water, Electricity, Steam and Coal

Total Consumption of Water, Electricity, Steam and Coal

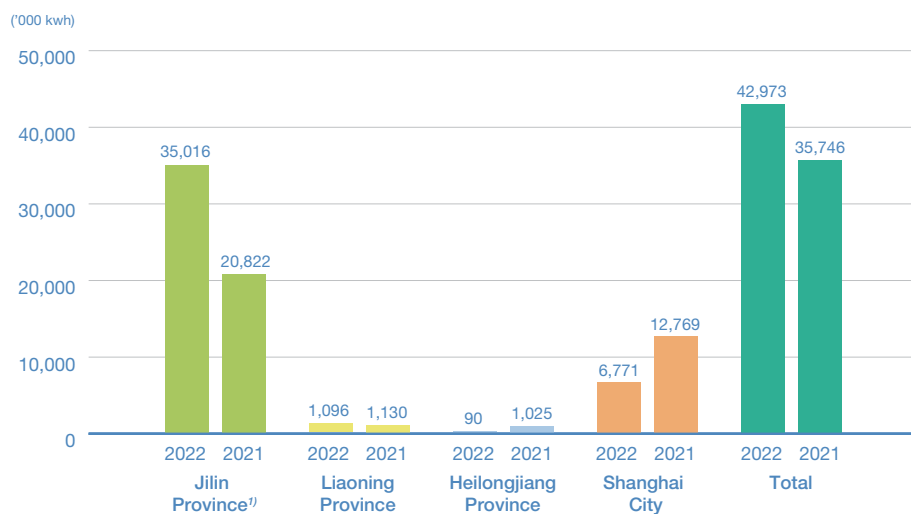
	Water (<i>'000 metric tonne</i>)	Electricity (<i>'000 kwh</i>)	Steam (<i>'000 metric tonne</i>)	Coal (<i>'000 metric tonne</i>)
2022	477	42,973	143	18
2021	754	35,746	135	47
Change	(37%)	20%	6%	(62%)

2. ENVIRONMENTAL PROTECTION

Water Consumption by Facility Locations

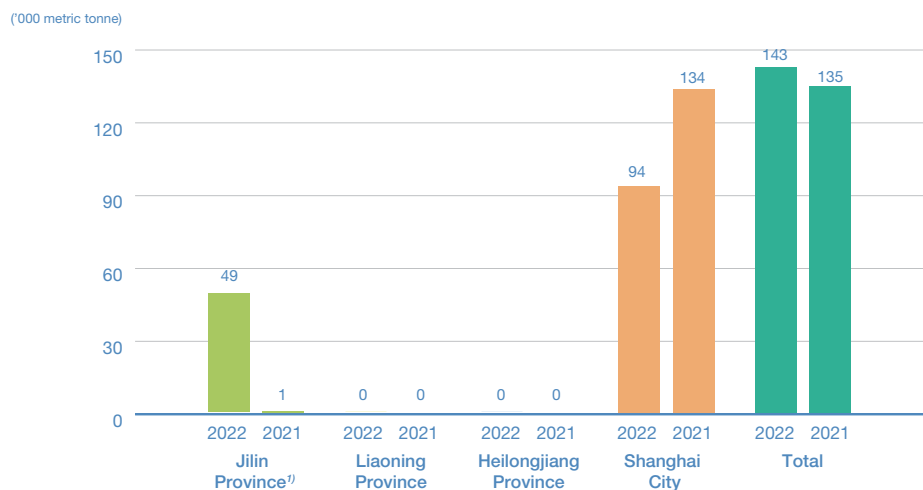


Electricity Consumption by Facility Locations

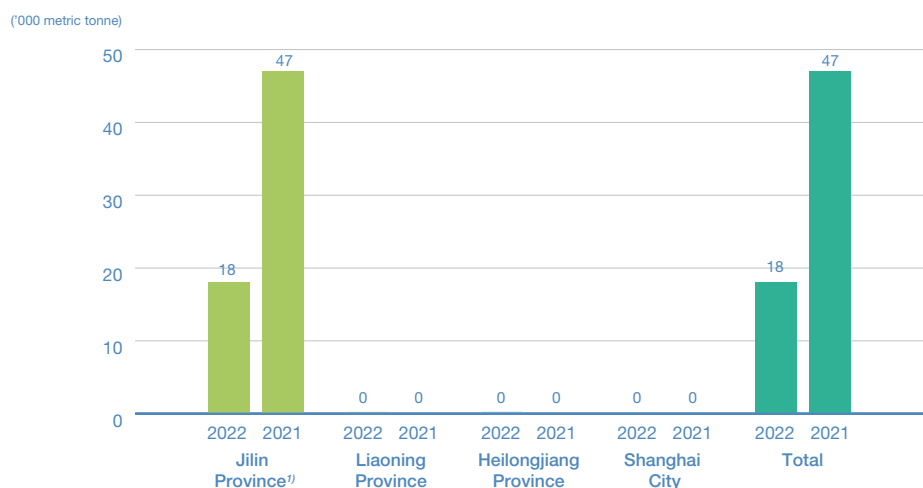


2. ENVIRONMENTAL PROTECTION

Steam Consumption by Facility Locations



Coal Consumption by Facility Locations



Remark:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.

Due to the Shanghai Temporary Suspension, overall consumption of water, electricity and steam of the Group's production facilities in Shanghai dropped during the Year. As for the operation in Jilin Province, since the resumption of the production site in Dehui involves part of the production facilities only, it is not commercially viable to resume the power plant to support the Group's production need in Dehui entirely. The production site in Dehui therefore used purchased electricity during the Year. As a result, the consumption of electricity and steam increased in the Group's operation in Jilin Province during the Year.

2. ENVIRONMENTAL PROTECTION

Consumption of Water, Electricity, Steam and Coal by Upstream and Downstream Production

	Water (<i>'000 metric tonne</i>)	Electricity (<i>'000 kwh</i>)	Steam (<i>'000 metric tonne</i>)	Coal (<i>'000 metric tonne</i>)
2022¹⁾				
Upstream	61	35,982	49	18
Downstream	416	6,991	94	0
Total	477	42,973	143	18
2021				
Upstream	119	22,977	1	47
Downstream	635	12,769	134	0
Total	754	35,746	135	47

Remark:

- 1) Due to the Shanghai Temporary Suspension, the resources consumption in the Group's production site in Shanghai dropped. Such declines were offset by the increases in the consumption the Group's Dehui production site subsequent to its resumption since the end of the Year.

Unit Consumption of Water, Electricity, Steam and Coal Per Metric Tonne Product Produced

	Water (<i>metric tonne</i>)	Electricity (<i>kwh</i>)	Steam (<i>metric tonne</i>)	Coal (<i>metric tonne</i>)
2022	5.44	49.01	1.63	0.21
2021	4.23	83.31	0.89	0.00
Change ¹⁾	29%	(41%)	83% ²⁾	100% ²⁾

Remarks:

- 1) As different products have different resources consumption patterns, unit consumption varies due to changes in product mix.
- 2) Following the resumption of the Group's production site in Dehui, the power plant resume partial operation for the production of steam to support production need. Consequently, unit consumption of steam and coal increased during the Year.

2. ENVIRONMENTAL PROTECTION

Unit Consumption of Per Metric Tonne Product Produced by Geographic Location

Unit Consumption of Per Metric Tonne Product Produced in 2022

Operation Locations	Water (metric tonne)	Electricity (kwh)	Steam (metric tonne)	Coal (metric tonne)
Jilin Province ^{1) & 2)}	21.78	311.11	17.21	6.32
Liaoning Province	0.00	0.00	0.00	0.00
Heilongjiang Province	0.00	0.00	0.00	0.00
Shanghai City ³⁾	4.89	79.82	1.11	0.00

Unit Consumption of Per Metric Tonne Product Produced in 2021

Operation Locations	Water (metric tonne)	Electricity (kwh)	Steam (metric tonne)	Coal (metric tonne)
Jilin Province ¹⁾	0.00	0.00	0.00	0.00
Liaoning Province	0.00	0.00	0.00	0.00
Heilongjiang Province	0.00	0.00	0.00	0.00
Shanghai City ³⁾	4.23	83.31	0.89	0.00

Remarks:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.
- 2) The resumption of operation of the Group's production site in Dehui since mid December 2022 incurred extra consumption of resources for trial run, resulting in higher than normal/discrepancies in unit resources consumption for the Group's operation in Jilin Province.
- 3) As different products have different resources consumption patterns, unit consumption varies due to changes in product mix.

Unit Consumption of Per Metric Tonne Product Produced by Upstream and Downstream Production

	Water (metric tonne)	Electricity (kwh)	Steam (metric tonne)	Coal (metric tonne)
2022				
Upstream ¹⁾	21.78	311.11	17.21	6.32
Downstream ²⁾	4.89	79.82	1.11	0.00
2021				
Upstream ¹⁾	0.00	0.00	0.00	0.00
Downstream ²⁾	4.23	83.31	0.89	0.00

Remarks:

- 1) The resumption of operation of the Group's production site in Dehui since mid December 2022 incurred extra consumption of resources for trial run, resulting in higher than normal/ discrepancies in unit resources consumption for the Group's upstream segment.
- 2) As different products have different resources consumption patterns, changes in the product mix would result in differences in the unit consumption.

2. ENVIRONMENTAL PROTECTION

2.2.2 Conservation of Resources

GBT has strong awareness of resources conservation. Continuous R&D work on raising the efficiency use of energy, water and steam is our major focus. The Group's R&D team is dedicated to improve the facilities and production technology to achieve conservation of resources. Their achievements have been recognised and this is shown by the awards and recognition received in the past years.

The Group has formulated a “Guidelines on Resource Consumption” for all of its subsidiaries to ensure efficient use of energy, water, steam and other raw materials. To increase employees' awareness of resource conservation, the Group also incorporates production efficiency and resource conservation scheme results into the annual appraisal of individual staff. Apart from this, maintenance works and system check are carried out on all machineries and facilities on regular basis to keep them in good condition and ensure production safety.

2.2.3 Consumption of Fuel

Consumption of Fuel by Type

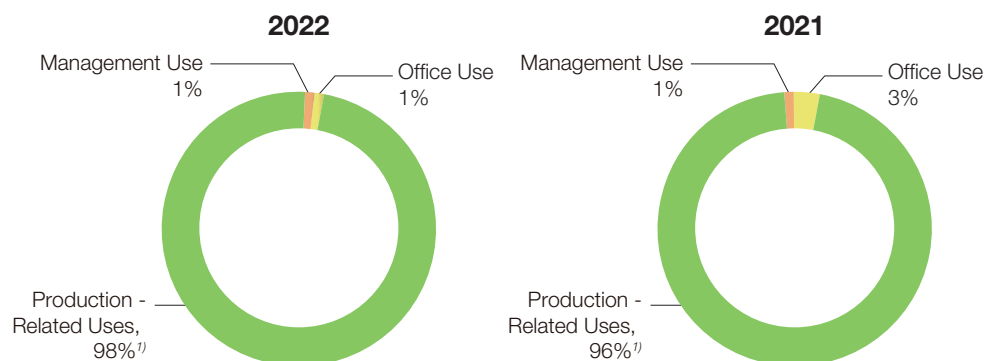
	Gasoline (Litre)	Diesel (Litre)	Total (Litre)
2022¹⁾	5,700	434,724	440,424
2021	15,644	487,951	503,595
Change ²⁾	(64%)	(11%)	(13%)

Remarks:

- 1) During the Year, due to the Shanghai Temporary Suspension and the suspension of shuttle bus service provided to the employees of the Group in those production sites where operation has been suspended, the Group's gasoline consumption dropped significantly.
- 2) Overall fuel consumption dropped during the Year as the consumption of fuel for the transportation of products and raw materials dropped as a result of the suspension of operations in most of the Group's production sites.

2. ENVIRONMENTAL PROTECTION

Consumption of Fuel by Purpose



Remark:

- 1) Production-related uses include fuel consumption in relation to transportation of raw materials and products.

2.2.4 Consumption of Packaging Materials

Major packaging materials the Group uses are plastic pails and packaging bags, depending on the storage requirements of the products and the specifications on customer's orders. The Group encourages the recycle use of packaging materials. Among them, most plastic pails could be recycled and reused. To encourage customers to participate in the recycle of packaging materials, the Group requires each of its customers to pay a deposit equivalent to the cost of the plastic pails. In case of failure of return or damage, the Group will deduct the amount from the deposit as penalty. In addition, the Group continuously explores new packaging materials and transportation mode that are more environmental-friendly and cost saving.

Consumption of Packaging Materials of the Group

	Plastic Pails (Unit)	Packaging Bags (Unit)	Total Consumption (Unit)	Unit Consumption (Unit)
2022 ¹⁾	31,977	569,041	601,018	6.86
2021	77,105	701,170	778,275	5.18
Change ²⁾	(59%)	(19%)	(23%)	32%

Remarks:

- 1) Consumption of packaging materials dropped during the Year as a result of reduced output due to the suspended operation of most of the Group's production facilities. Plastic pails are reusable and will be washed, sanitised and recycled after every use.
- 2) During 2021, due to market fluctuations, the Shanghai production site switched a portion of its raw materials to sweeteners (usually transported in plastic pails or tank trucks) from corn starch (usually packed in packaging bags) to increase its cost efficiency. During the Year, as the price of corn starch dropped, the Shanghai production site used primarily corn starch as raw material. On the other hand, the proportion of pick-up orders from customers in Shanghai reduced during the Year. As a result of the above changes, the unit consumption of packaging materials increased during the Year.

2. ENVIRONMENTAL PROTECTION

Recycle Use of Packaging Materials of the Group

	Recyclable Reusable (Unit)	Recyclable Obsolete (Unit)	Non-Recyclable Sold (Unit)	Total (Unit)
2022	17,814	3,151	580,053	601,018
2021	195,320	5,495	577,460	778,275
Change	(91%)	(43%)	1%	(23%)

2.3 Effects on the Environment and Natural Habitats

The ecosystem plays an important part in our lives. It maintains the stability of our natural habitat which provides us with what we need. The maintenance of biodiversity is crucial for a healthy mechanism of the ecosystem. As the major raw material of the Group is corn kernel, the distortion of the ecosystem and the environment will have immediate effect on our operation. GBT is dedicated to maintaining biodiversity and minimising the footprint on the environment.

The operation and production processes of the Group have minimal effects on the natural environment. As described in the previous sections, emission of greenhouse gases and wastewater of the Group are in compliance with the relevant laws and regulations, while cinders and a portion of wastewater are treated for recycle use. In terms of the use of resources, conservation of resources with high efficiency and exploration of recycle use of materials are highly promoted among the Group's members.

Nevertheless, the Group has continuously studied and researched for ways to further minimise our footprints on the environment. Given the fact that the operation of most of our production facilities was suspended during the Year, with the operation of the Group's Dehui production site resumed only since end of the Year where production plan for 2023 is still subject to further adjustment, we were not able to set efficiency target in relation to the conservation of resources until the Group's operation resumes to relatively normal level. However, the Group strives to further reduce total energy consumption by undertaking the following measures:

Approaches	Measures
Production	<ul style="list-style-type: none"> Streamline the production processes and reduce any unnecessary use of materials Shift to new production processes to reduce consumption Launch green ("green" in the sense of minimising energy consumption during production process or posing less harm to the environment) products to market
Green Initiatives	<ul style="list-style-type: none"> Adjust air conditioning temperature to 25 degree Celsius at office Switch off lighting and air-conditioning when unattended Encourage staff to take public transport to and from workplace
Employee Awareness	<ul style="list-style-type: none"> Engage employees by initiating the recycle practices at production sites and offices Convey environmental messages via company email

2. ENVIRONMENTAL PROTECTION

On top of this, the Group also promotes office and production automation to reduce consumption of paper and unnecessary exhaustion of other raw materials. All data and information regarding daily operation such as procurement, production, sales and finance are digitally created, collected, stored, analysed, and relayed to accomplish basic tasks. At the production plants, production procedures and manipulation of machineries are all automated to ensure precision and lower consumption of paper for production records, etc. Every employees of the Group are advocates of resources conservation. Recycle use of paper is a common practice within the Group.

Below is a summary of paper consumption (number of pages) of the Group:

Operation Locations	2022	2021	Change
Jilin Province ¹⁾	50,000	97,000	(49%)
Liaoning Province	41,290	43,100	(4%)
Heilongjiang Province ²⁾	0	10,900	(100%)
Shanghai City	180,000	200,000	(10%)
Hong Kong ³⁾	290,824	401,800	(28%)
Total⁴⁾	562,114	752,800	(25%)

Remarks:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.
- 2) As the Group's operations in Heilongjian Province was undergoing liquidation process, no paper consumption was incurred during the Year.
- 3) The paper consumption of the Group's Hong Kong office includes the paper consumption with respect to the publication of circulars, annual reports and interim reports, as well as the daily paper consumption in office.
- 4) Overall paper consumption dropped as a result of suspension of operations of most of the Group's production sites.

During the Year, with the aim of reducing our impact on the ecosystem, we continued to use environmental-friendly paper when printing our annual reports and interim reports.





3. OPERATING PRACTICES

Sustainable development covers not only environmental aspects but also social ones. To our customers, product safety ranks at the top of our priority list. Apart from ensuring product hygiene and safety during production processes, supply chain management is a continuous focus of the Group. Supplying quality and safe products to customers not only builds the reputation and brand name of the Group, but also exhibits our social responsibility to the community. On the other hand, to provide a nurturing ground for the healthy growth of the industry, the Group is dedicated to uphold a lawful operating environment. We continuously educate our staff on business conduct. Corruption, bribery, extortion, fraud or any form of crimes are strictly prohibited. We also have whistleblowing and investigation procedures in place to reinforce the integrity of the Group.

3.1 Supply Chain Management

Ensuring product quality and safety has always been the mission of GBT. The Group has stringent control in every process, from supply chain management, production processes, packaging, to delivery to customers. With respect to supply chain management, the Group has respective guidelines and policies in place for all staff when carrying out their duties.

In line with the Group's corporate and ESG strategies, the Group takes into consideration the ESG performance of our suppliers when assessing and shortlisting the Group's suppliers. The Group makes sure we work with suppliers that share the same value and work diligently towards a common goal of building sustainable businesses. While we are constantly striving to strengthen and perfect our ESG strategies, we also extend our awareness towards our supply chain to ensure the raw materials/ products we use in our production process aligns with our value. In appraising our suppliers, we will try our best to identify any social and environmental risks or issues that concern us. It is important for us to work with socially responsible suppliers. Through our appraisal processes, the Group ensures it does not work with suppliers that engage child labour, put their workers in poor working conditions, or deprive their workers of human rights. We also assess environmental aspects of our suppliers in terms of emission control and environment protection, energy conservation, corporate value and strategies in making greener products through production process enhancement and new production applications.

As corn is a major raw material of the Group's production which we mainly sourced from local farmers and traders, we are constantly aware of the risk that harmful substances used (such as chemical insecticides) may pass along the supply chain and may eventually pass onto our customers/ end users. As such, stringent quality control process in our corn procurement is important (For details, please refer to section 3.1.1.1 Corn Procurement Procedures below).

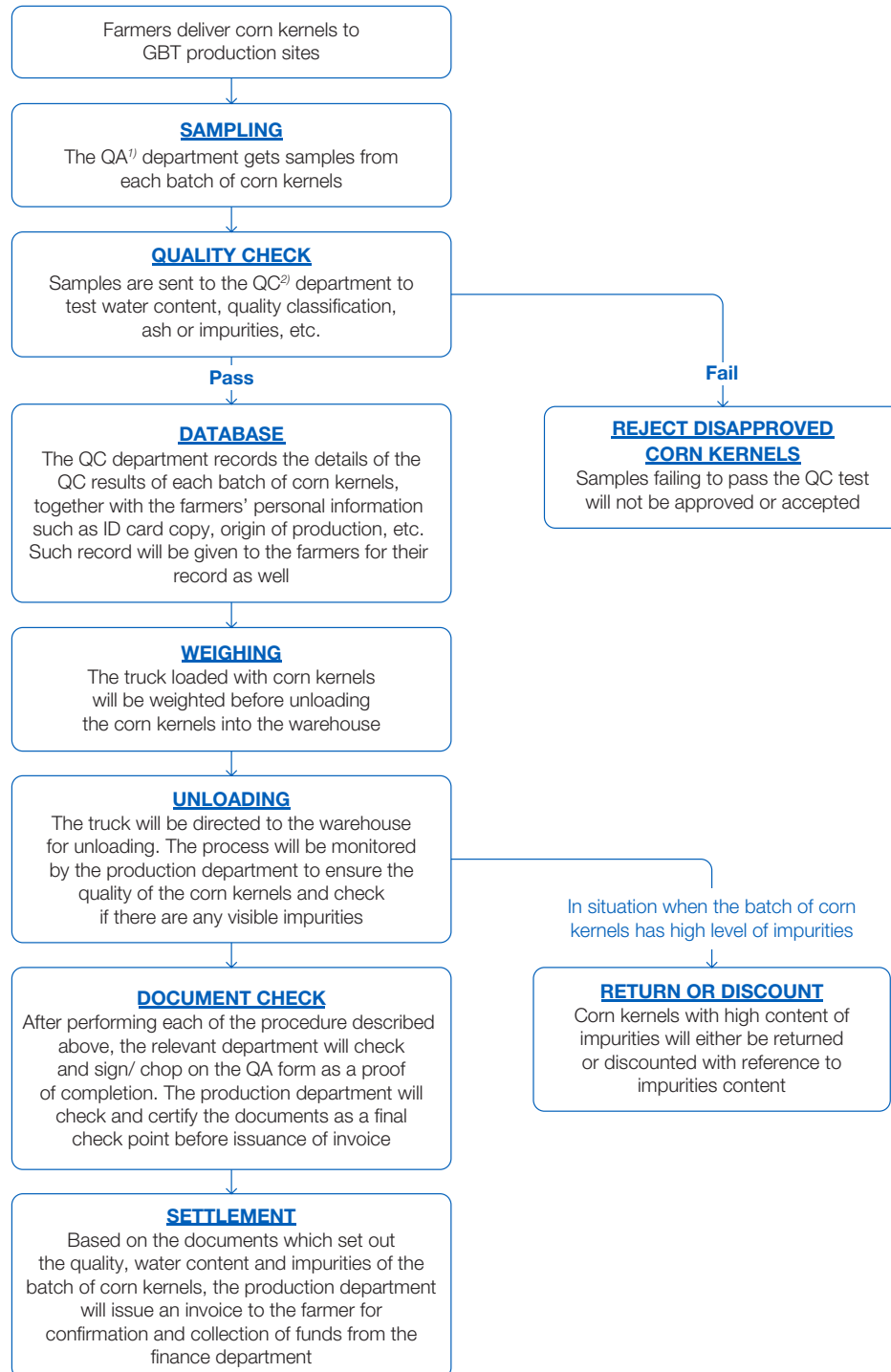
3.1.1 Engaging Suppliers

For the engagement of suppliers, the Group implements a stringent supplier certification process. Every supplier is required to go through a list of assessment procedures before qualifying as the Group's supplier.

3.1.1.1 Corn Procurement Procedures

The Group procures corn kernels, the Group's major raw material, in the corn producing regions in Northeast China. Most of the corn was purchased directly from farmers and traders. As a major raw material for production, the Group adopts stringent quality control/ assurance process during the corn procurement process. Below is a summary of the flow of corn procurement adopted by GBT:

3. OPERATING PRACTICES



Remarks:

1) QA: Quality Assurance

2) QC: Quality Control



3. OPERATING PRACTICES

3.1.1.2 Maintenance of Suppliers Database (for procurements other than corn)

The procurement department plays an important role in the screening and engagement of suppliers. The primary focus of the procurement department is to conduct market researches, maintain a database of suppliers and update suppliers' information on regular basis. The procurement department will examine each supplier in the following aspects:

Aspects	Details
Company Qualifications	Examine suppliers' business registration, production approval, examination report of the product and other related documents to justify the suppliers have the relevant qualifications, ability and capacity to produce.
Company Background	Assess suppliers in terms of their operations, credit worthiness, management systems, environmental awareness and lawfulness. Suppliers who have good operations and credit worthiness and have the least impact on the environment are preferred. Food safety is another major consideration during the assessment process. Suppliers with stringent control in production safety and hygiene with no records of violation of food safety laws will pass the assessment.
Product Quality Assurance	For raw material and packaging suppliers, they should submit samples for assessment and testing before delivery. The test will be based on the relevant national or industry standards. Suppliers are also required to submit food safety and/ or quality assurance documents issued by government bodies for certain types of raw materials (food related).
Pricing	Pricing is another major aspect that the panel would look into to get the best quality with the best price. The principal objective is to ensure the Group operates at the lowest cost without sacrificing quality.
Delivery	Continuously check on the samples from suppliers' delivery, product/ service quality as well as the timeliness of delivery.
Customers Service	Assess suppliers' responsiveness and timeliness regarding order placement, delivery and after sale service.
Environmental Impacts	Evaluate the suppliers' impact on the water, land and atmospheric environment of the community. Extra credits will be given to suppliers adopting greener production processes and producing greener products such as biodegradable materials, etc.

The assessment reports of the suppliers will be filed accordingly, and information of those suppliers which passed the relevant assessments of the procurement department will be updated in the database.

3. OPERATING PRACTICES

3.1.1.3 Screening and Engaging Suppliers (for procurements other than corn)

Every year end, each subsidiary will submit its annual procurement plan which lays down the details of the procurement items/ services (including machineries, production raw materials and daily consumables) to the procurement department for approval. The procurement department will then assess if the proposed items and quantities are justified. After the plan is approved, the procurement department will compile a list of suppliers for the corresponding items (at least 3 suppliers for each item) from its database. The procurement department will review and assess the suppliers with reference to the reports and the suppliers' quotation. Site visits to the suppliers' production sites will also be carried out to determine whether the new suppliers meet the Group's requirements. It will also consider engaging more than one supplier for the same item to avoid over-reliance on a single supplier.

After the procurement plan is finalised, each subsidiary will enter into a supply contract with the assigned supplier which outlined the details of the purchase and the obligations and rights of each party.

3.1.1.4 Suppliers' Quality Assurance and Order Follow-up (for procurements other than corn)

To monitor the quality of our suppliers' goods and services, the QA department will carry out random checks periodically. Suppliers whose goods or service qualities fall below the Group's quality requirement will be penalised (e.g. refunds or return of goods, etc.). For serious and/ or persistent sub-standard performance, the supplier will be blacklisted and removed from the Group's suppliers database.

3.1.2 Numbers of Suppliers (for procurements other than corn)

Summary of Numbers of Suppliers by Categories and Operation Locations in 2022

Operation Locations	Machinery	Raw Materials	Packaging Materials	Utilities	Logistics	Others	Total by Locations ²⁾
Jilin Province ¹⁾	127	36	7	6	0	24	200
Liaoning Province	0	0	0	3	0	0	3
Heilongjiang Province	0	0	0	0	0	0	0
Shanghai City	0	21	7	3	6	3	40
Total by Categories²⁾	127	57	14	12	6	27	243



3. OPERATING PRACTICES

Summary of Numbers of Suppliers by Categories and Operation Locations in 2021

Operation Locations	Machinery	Raw Materials	Packaging Materials	Utilities	Logistics	Others	Total by Locations ²⁾
Jilin Province ¹⁾	14	14	5	3	3	0	39
Liaoning Province	0	1	0	3	4	3	11
Heilongjiang Province	0	0	0	0	0	0	0
Shanghai City	0	21	7	3	6	3	40
Total by Categories²⁾	14	36	12	9	13	6	90

Remarks:

- 1) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.
- 2) The numbers of suppliers in the above tables were the sums of the numbers of suppliers engaged by each subsidiary. Since certain suppliers supply goods or services to various subsidiaries of the Group, the total numbers of suppliers in the above tables did not represent the total numbers of suppliers of the Group as a whole for the relevant year.

Geographic Distribution of Suppliers in 2022

Geographic Regions	Machinery	Raw Materials	Packaging Materials	Utilities	Logistics	Others	Total by Locations ¹⁾
Northeast China	77	28	7	9	0	22	143
Northern China	19	5	1	0	0	1	26
Eastern China	28	19	6	3	6	4	66
Others	3	5	0	0	0	0	8
Total by Categories¹⁾	127	57	14	12	6	27	243

Geographic Distribution of Suppliers in 2021

Geographic Regions	Machinery	Raw Materials	Packaging Materials	Utilities	Logistics	Others	Total by Locations ¹⁾
Northeast China	2	19	2	3	4	3	33
Northern China	4	3	1	0	0	0	8
Eastern China	7	13	9	6	9	3	47
Others	1	1	0	0	0	0	2
Total by Categories¹⁾	14	36	12	9	13	6	90

Remark:

- 1) The number of suppliers in the above tables were the sums of the number of suppliers engaged by each subsidiary. Since certain suppliers supply goods or services to various subsidiaries of the Group, the total number of suppliers in the above tables did not represent the total number of suppliers of the Group as a whole for the relevant year.

3. OPERATING PRACTICES

3.2 Product Safety

As a socially responsible corporate, GBT puts a lot of efforts in ensuring product safety, as we are well aware that a lot of our products go to the feed and food and beverage industries. With the increasing concern about food safety in China, it is of the Group's priority to ensure product quality and safety.

The Group adopts stringent control on product quality and safety along the production process. This has earned the Group a good reputation in the industry. The internal quality controls of the Group are mainly operated according to the relevant requirements of ISO9001 quality management systems and ISO14001 environmental management systems. The subsidiaries of the Group were also awarded the HACCP (Hazard Analysis and Critical Control Point) certifications and QS (Quality Safety) certifications.

3.2.1 Standards and Procedures of Quality Assurance Processes

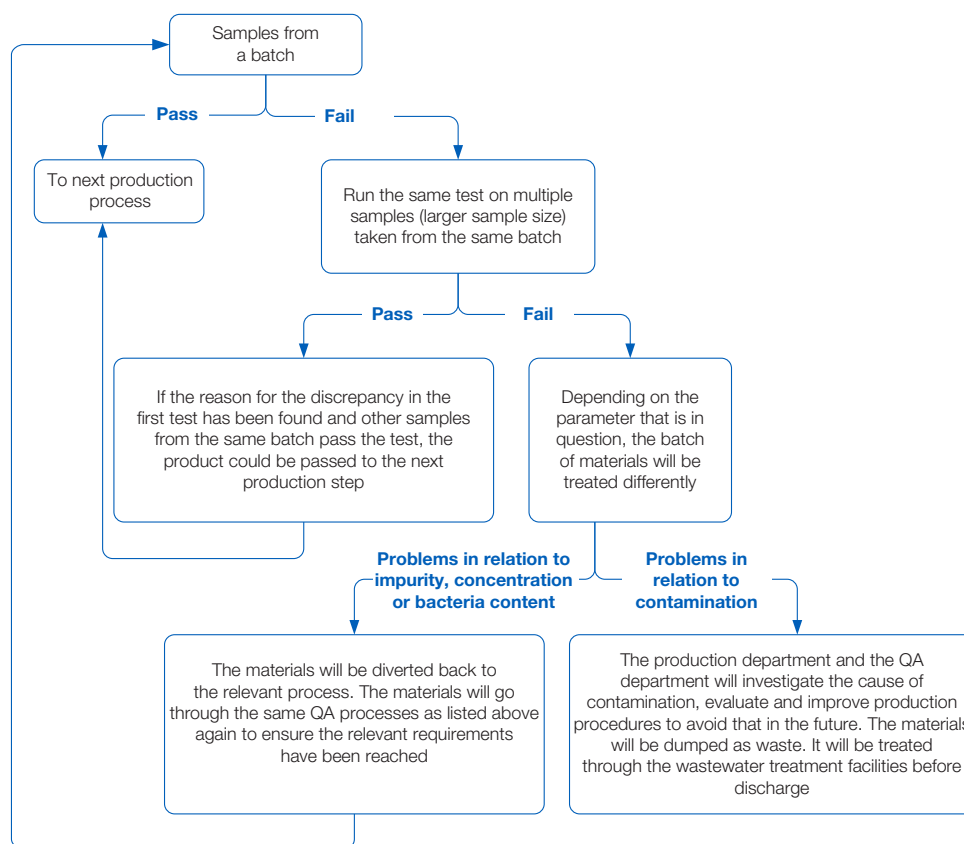
GBT has written guidelines and standards for the quality assurance processes which include the details of the examination of raw materials, packaging materials and finished products, etc. The details of the examination cover the examined subject, methods and scope which the Group has formulated with reference to the requirements of the relevant national and industry standards. Below is a summary of the standards of the Group adopts for different types of materials or products:

- Raw materials & production materials: The QA department and the relevant production units would inspect and examine all raw materials and production materials to make sure they are in line with the relevant National GuoBiao (“**GB**”) standards and the Group's requirements. Those which have not been examined or fail to pass the examination are strictly prohibited for production use.
- Intermediate and finished products: The production department and the QA department are responsible for the inspection and examination of intermediate and finished products. The production department monitors each of the production processes and carries out tests for the materials in each process; while the QA department is responsible for carrying out tests on all finished products and random tests on intermediate products. Both departments keep a record of the findings of the tests which includes the details of production batch number, test frequency, sample size and passing rate, etc. In general, the QA department will keep every batch of tested samples for 3-12 months (depending on the shelf life of the products and nature of customers). In case of customer's complaint, this will serve as a basis to investigate the cause of the quality issue.



3. OPERATING PRACTICES

The Group adopts random sample testing method for most of the production processes as required by the relevant National GB standards or industry standards. In general, sample testing is carried out on every stage of production. Only qualified materials could be passed to the next process. The below diagram illustrates the workflow of the QA process:



On top of the above arrangements, each subsidiary of the Group will submit samples to qualified third-party laboratory or inspection bodies for examination and inspection on regular basis as required by the PRC regulations.

- Packaging materials: Cleansed packaging materials and tankers would be inspected and examined randomly before sending into the packaging lines. During the packing process, workers keep track of the weight of materials to ensure it falls within the allowed range. Packaged products would be inspected before sending to the warehouse to ensure product quality.
- Warehousing: Finished products will be transferred to the warehouse after inspection and stocktaking. The warehouse should be kept in clean, ventilated and dry condition as required by national and industry standards.

3. OPERATING PRACTICES

- Delivery: Before delivery, the QA department will carry out a final random check on the products. Once the batch of products passes the examination, the QA department will issue a QA report to the customers. At the same time, as part of customer service and quality assurance follow-up, the QA department will keep the samples from each batch for 3 to 12 months, depending on the nature or requirement of each customer. The truck should be clean and sterilised before loading products onto it.

Below is a list of the relevant national and industry standards adopted for the Group's products:

- Edible Corn Starch: GB/T 8885-2017
- Corn Gluten Meal for Feedstuffs: Q/JZYC 001-2017¹⁾
- Corn Germ Meal for Feedstuffs: Q/CDCJT 02-2018¹⁾
- Corn Syrup Solid: Q/CDCJT 08-2018¹⁾
- Fibre Feed for Feedstuffs: Q/CDCJT 03-2018¹⁾
- Maize Oil: GB/T 19111-2017
- Hygienical Standard for Feeds: GB 13078-2017
- Glucose Syrup: GB/T 20885-2007
- Maltose: GB/T 20883-2017
- Syrup for Brewing: QB/T 2687-2005
- Isomaltooligosaccharide: GB/T 20881-2017
- High Fructose Syrup: GB/T 20882-2007
- Maltodextrin: GB/T 20884-2007
- Food Nutrition Fortifier — L-Lysine: GB 34466-2017
- Feed Grade L-Threonine: GB 7300.101-2019
- Feed Grade L-Lysine Sulphate: Q/CDCJT 09-2017¹⁾
- Deicing Salt: GB/T 23851-2017

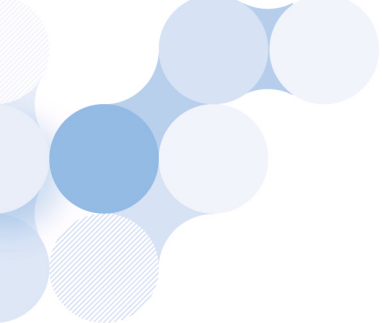
Remark:

- 1) *Industry standard adopted by the Group, which has a higher requirement as compared with GB.*

3.2.2 Standards and Procedures for Recall of Products

All of the Group's products must undergo the relevant examinations or tests to prevent products that have or potentially have any quality or food safety problems from getting into the market. To ensure we react quick enough to cases where products which are proved to have quality defects or may endanger public health and safety enter the market; and to minimise possible risk and damage posed to the community, the Group has written guidelines regarding the procedures for the recall of products. All members of the Group strictly follow the guidelines in case of defective products.





3. OPERATING PRACTICES

Each subsidiary of the Group has established a product recall team to be responsible for the recall of defective products, which is directly led by the general manager of the subsidiary. The procedures for product recall are as follows:

1. When the sales department receives customer's complaint regarding product quality or safety, they will collect all the relevant information according to the nature of complaint and submit it to the QA department immediately for further investigation. With the information on hand, the QA department will then start investigating the case. If the product is proved to have defect, whether it is visible or latent in nature, in relation to quality such as large discrepancy in concentration or color, high bacteria content or contamination, etc., the QA department will report to the product recall team immediately. The product recall team will inform the relevant departments to suspend production and sale of the defective product and at the same time commence the product recall procedures.
2. As soon as the production department receives the reported case, they will examine the production record of the relevant batch of product involved including the product name, specification, batch number, deliveries, volume sold and stock. The production department will then issue a "Product Recall Notice" to the sales department.
3. The sales department will follow up with customers and request to quarantine the product involved. The sales department will also record the volume involved and the reasons for requesting recall, and then inform the logistics department to arrange the recall of the products. The logistic department will record the details (including product name, volume, order number and invoice number, etc.) of the products recalled and segregate them properly.
4. The QA department will examine the recalled product and submit a report outlining the type of the quality defect, the cause of the problem, people who might be affected, level of seriousness and urgency, and suggesting solutions to handle the defective products (disposal for contaminated or hazardous product while other defective products (such as problems in relation to concentration or color) will be reprocessed and recycled as appropriate). Depending on situation, the product recalled will also be sent to a third-party laboratory or inspection body for examination. The report will be submitted to the general manager of the relevant subsidiary for further handling. If it is found that the product may endanger public health, the QA department will immediately inform the relevant government bodies responsible for quality supervision. Considering the seriousness of the case and as advised by the relevant authorities, the Company will make a proper announcement to the community through the media to notify the people who are affected or may possibly be affected. At the same time, the Company would seek legal advice from the legal counsel regarding the legality of decisions and actions.
5. The production department will reprocess/ dispose the defective products as suggested while the sales department will follow up the case with the customer.
6. The administration department will keep a full report of the case for record.
7. The QA department will revise and verify the quality assurance system from time to time to ensure the products are safe and meet the quality requirements.

3. OPERATING PRACTICES

There was no product recall case in relation to product safety problems in the Group during the Year (2021: Nil). However, there were cases of customers' complaints reported during the Year which were primarily in relation to concentration, color and packaging problems of the products. Details of the cases are outlined in section 3.2.3 below.

3.2.3 Statistics of Customer's Complaint and Product Return Cases for the Group's Core Business

Number of Cases of Customers' Complaints and Product Return in 2022

Operation Locations	Problems in relation to										Total by Locations	
	Product Quality		Packaging		Quantity		Invalid Complaints		Others		C ⁽¹⁾	PR ⁽²⁾
	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾		
Jilin Province ³⁾	0	0	0	0	0	0	0	0	0	0	0	0
Liaoning Province	0	0	0	0	0	0	0	0	0	0	0	0
Heilongjiang Province	0	0	0	0	0	0	0	0	0	0	0	0
Shanghai City	0	0	2	1	0	0	0	0	0	0	2	1
Total by Categories	0	0	2	1	0	0	0	0	0	0	2	1

Number of Cases of Customers' Complaints and Product Return in 2021

Operation Locations	Problems in relation to										Total by Locations	
	Product Quality		Packaging		Quantity		Invalid Complaints		Others		C ⁽¹⁾	PR ⁽²⁾
	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾	C ⁽¹⁾	PR ⁽²⁾		
Jilin Province ³⁾	0	0	0	0	0	0	0	0	0	0	0	0
Liaoning Province	0	0	0	0	0	0	0	0	0	0	0	0
Heilongjiang Province	0	0	0	0	0	0	0	0	0	0	0	0
Shanghai City	4	0	3	0	0	0	0	0	2	0	9	0
Total by Categories	4	0	3	0	0	0	0	0	2	0	9	0

Remarks:

- 1) C: Number of complaint cases
- 2) PR: Number of product return cases
- 3) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.

Percentage of customers' complaint cases and product return cases (based on the number of sales orders involved over the total number of sales orders processed) for GBT during the Year was approximately 0.02% (2021: 0.06%) and 0.01% (2021: 0.00%) respectively. The single product return case recorded during the Year was in relation to product contamination due to defective packaging.

3. OPERATING PRACTICES

All complaints from our customers are handled by the production department and the sales and marketing department of each of the Group's production sites. The management of each of the Group's production sites will ensure all complaints are dealt with immediately, including comprehensive assessments of problems and action plans for the proposed solutions. The management will also formulate measures to prevent similar incidents from reoccurring.

During the Year, all complaints were investigated thoroughly and were resolved through communication with our customers.

Tonnage of Products Involved in Relation to Customers' Complaints and Product Return in 2022 (Metric Tonne)

Operation Locations	Problems in relation to											
	Product Quality		Packaging		Quantity		Invalid Complaints		Others		Total by Locations	
	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾
Jilin Province ³⁾	0	0	0	0	0	0	0	0	0	0	0	0
Liaoning Province	0	0	0	0	0	0	0	0	0	0	0	0
Heilongjiang Province	0	0	0	0	0	0	0	0	0	0	0	0
Shanghai City	0	0	1	1	0	0	0	0	0	0	1	1
Total by Categories	0	0	1	1	0	0	0	0	0	0	1	1

Tonnage of Products Involved in Relation to Customers' Complaints and Product Return in 2021 (Metric Tonne)

Operation Locations	Problems in relation to											
	Product Quality		Packaging		Quantity		Invalid Complaints		Others		Total by Locations	
	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾	C ¹⁾	PR ²⁾
Jilin Province ³⁾	0	0	0	0	0	0	0	0	0	0	0	0
Liaoning Province	0	0	0	0	0	0	0	0	0	0	0	0
Heilongjiang Province	0	0	0	0	0	0	0	0	0	0	0	0
Shanghai City	36	0	0	0	0	0	0	0	6	0	42	0
Total by Categories	36	0	0	0	0	0	0	0	6	0	42	0

Remarks:

- 1) C: Tonnage of products involved in complaint cases
- 2) PR: Tonnage of products involved in product return cases
- 3) The Group's operations in Jilin Province include its production sites in Dehui, Xinglongshan and Luyuan District.

Percentage of the concerned volume involved in customers' complaint cases and the concerned volume involved in product return cases over the total sales volume for GBT during the Year was 0.01% (2021: 0.02%) and 0.01% (2021: 0.00%) respectively.

3. OPERATING PRACTICES

3.2.4 Compliance with the Relevant Laws and Regulations on Quality Assurance & Product Safety

All subsidiaries under GBT are in strict compliance with the relevant laws and regulations in relation to quality assurance and product safety in the PRC. These laws and regulations include:

- Food Safety Law of the People's Republic of China (《中華人民共和國食品安全法》)
- Product Quality Law of the People's Republic of China (《中華人民共和國產品質量法》)
- Food Hygiene Law of the People's Republic of China (《中華人民共和國食品衛生法》)
- Standardisation Law of the People's Republic of China (《中華人民共和國標準化法》)
- Agriculture Law of the People's Republic of China (《中華人民共和國農業法》)
- Law of the People's Republic of China on Quality and Safety of Agricultural Products (《中華人民共和國農產品質量安全法》)
- Law of the People's Republic of China on Import and Export Commodity Inspection (《中華人民共和國進出口商品檢驗法》)
- Special Provisions on Strengthening Food Safety Supervision and Management from the State Council (《國務院關於加強食品等產品安全監督管理的特別規定》)
- Law of the People's Republic of China on the Protection of Consumer Rights and Interests (《中華人民共和國消費者權益保護法》)

During the Year, the Group was not aware of any material breach of relevant laws and regulations, including among others, those listed above in this section relating to health and safety, advertising, labeling and privacy matters relating to products and services provided by the Group and the Group's methods of redress.

3.2.5 Product Liability Insurance

Apart from monitoring the Group's product quality through the above-mentioned internal control process to minimise the chance of quality issues, the management also reviews and assesses the Group's risk bearing ability from time to time.

During the Year, the Group has not engaged in any product liability insurance contract (2021: Nil).

3.2.6 Confidentiality

There are written guidelines in all subsidiaries of GBT for all staff to ensure customers' information is protected. Unless required by laws in special circumstances, all employees of the Group are required to keep customers' information confidential. They are also educated from time to time to be in compliance with the guidelines and the national laws and regulations. In certain circumstances or as requested by customers, the Group will also enter into confidentiality agreements to protect the right of customers as well as the Group.





3. OPERATING PRACTICES

3.2.7 Intellectual Property Rights

The Group respects and recognises the importance of protecting intellectual property rights. The Group has implemented a set of policy on protecting and properly using copyright works from all relevant parties. The Group has been in compliance with the intellectual property rights under the relevant legislation where the Group operated. The Group will closely monitor the updates on the laws and regulations in relation to intellectual property rights to ensure the strict compliance with the relevant laws. The management of the Group keeps and manages a file of all the patents the Group registered or purchased to ensure our intellectual property rights are protected.

3.3 Anti-Corruption

Corporate social responsibility, integrity and fairness laid a solid foundation for the Group's corporate value. GBT operates and continuously improves its internal control system to ensure the business activities are conducted properly and in compliance with relevant laws and regulations and the code of conduct of the Group (the **"Code of Conduct"**).

As a publicly listed company, GBT applies the principles and complies with the code provisions in the Code on Corporate Governance Practices as set out in Appendix 14 of the Listing Rules and adopts a code of conduct in relation to the Directors' securities transactions on terms no less exacting than the required standard set out in the Model Code for Securities Transactions by Directors of Listed Issuers set out in Appendix 10 to the Listing Rules. A corporate governance committee (the **"Corporate Governance Committee"**) has been set up to ensure the effectiveness of corporate governance and system of internal non-financial controls of the Group. The Corporate Governance Committee shall introduce and propose relevant principles concerning corporate governance and review and determine the corporate governance policy, so as to enhance and ensure a high standard of corporate governance practices in the Group.

To motivate employees to maintain fair internal environment of the Group, GBT provides employees with whistleblowing channels and guidance to assist individuals to reveal inappropriate behaviours to the Group and the senior management. The Group adopts a confidential and prudent approach when dealing with all the disclosed information; without consent from the employee, the Group would not disclose the identity of the whistleblower.

The Code of Conduct outlines the ethical principles and behavioral framework of the Group, and provides guidance for all the members of GBT on their behaviours, responsibilities, rights and obligations. All members are expected to strictly comply with the Code of Conduct to ensure the Group operates in a lawful and orderly manner.

As anti-corruption is an important part of good governance, guidance in relation to anti-corruption is also outlined in the Code of Conduct. Relevant guidance is formulated based on "A Corruption Prevention Guide for Listed Companies" (published by Hong Kong Independent Commission Against Corruption) with reference to the actual situation that is appropriate for the Group, which contains the anti-corruption policy of the Group, definition of advantages and entertainment, allowance and supervision regarding acceptance of advantages or entertainment, and reimbursement policy for business related entertainment expenses. The Group also has a whistleblowing policy and procedures to encourage and enable the Group members to raise concerns about any act of bribery, extortion, fraud and/or money laundering.

3. OPERATING PRACTICES

The Group adopts a zero tolerance policy to corruption. Under no circumstances shall a Group member offer or take bribes for personal earnings from business dealings (may it be in the form of commission, loan, gifts, services or offering/accepting a position in an organisation). For business related entertainment expenses, employees are required to follow the company policies strictly and submit the relevant applications and declarations where applicable, to suppress any bribery, fraudulent and corrupt practice which would adversely affect the reputation and operations of the Group.

During the Year, the Group's Directors and staff were given training on anti-bribery and corruption to raise their awareness on the subject matter.

The Group is in compliance with the relevant national or local laws, regulations and guidance in relation to anti-corruption, including but not limited to rules and regulations in relation to bribery, extortion, fraud and money laundering, which are, among others, listed as follows:

- Company Law of the People's Republic of China (《中華人民共和國公司法》)
- Criminal Law of the People's Republic of China (《中華人民共和國刑法》)
- Law of the People's Republic of China Against Unfair Competition (《中華人民共和國反不正當競爭法》)
- Tendering and Bidding Law of the People's Republic of China (《中華人民共和國招標投標法》)
- Law of the People's Republic of China on Ombudsmen (《中華人民共和國監察官法》)
- Prevention of Bribery Ordinance (Hong Kong) (《防止賄賂條例》(香港))
- Theft Ordinance (Hong Kong) (《盜竊罪條例》(香港))
- A Corruption Prevention Guide for Listed Companies (Hong Kong) (《上市公司防貪指引》(香港))

There were no cases in relation to bribery, blackmail, extortion, fraud or money laundering reported in any of the subsidiaries under the Group during the Year (2021: Nil).





4. COMMUNITY INVOLVEMENT

As a part of sustainable development, GBT is dedicated to community investment as it is the source of our people and resources. Apart from the Group's continuous efforts on employee's career development and environmental protection, GBT is committed to communicate with the communities where the Group operates in order to understand their needs and concerns. To achieve this, the Group is open to communications with our stakeholders, employees, the local governments, the community and other industry players. We encourage interactive consultation with the community during the planning and development of projects as well as proactive community involvement.

As a manufacturing firm, GBT has strong awareness in our environmental footprints. The Group is dedicated to operate with minimum impact on the environment. Apart from the stringent control on the emission level and wastewater treatment, GBT continuously explores ways to lower energy consumption during the production process and raise overall efficiency. The Group also took the opportunity of the relocation of production facilities to the Xinglongshan site to upgrade the Group's production facilities and streamline production processes. After the relocation, production efficiency at the new site has improved and thus further reducing the Group's energy consumption and footprints on the environment.

GBT is also dedicated to contribute to the corn-refinery and corn sweeteners industries. We actively take part in relevant associations to promote the industry, food safety and production safety. GBT believes that a well-developed industry standard would form a solid foundation for the growth of the industry. The Group has participated in various organisations including the China Food Additives & Ingredients Association, the China Fermentation Industry Association, the China Association of Bakery & Confectionery Industry and Provincial Quality and Technology Supervision Association.

Corn is the Group's major raw material which we source mostly from local farmers. It is the Group's mission to promote the better use of corn and contribute to the value adding process. It would create mutual benefit for both farmers and corporate. To achieve this, the Group participates in the Provincial Agriculture Industrialisation Association which aims to promote agricultural projects, applications of agricultural products and commercialisation of these projects with the target to enhance the life of farmers and better utilisation of resources.

Our commitment to the community also involves the care given to our people. It is the Group's practice to organise various extracurricular and social activities for our employees regularly and encourage our employees to participate in community investment activities. During 2021, as organisation of normal sports events was limited due to the pandemic, the Group instead spent over 20 hours organising small-scale sports events and ball games to cultivate the sense of belonging and initiative of our people. During the Year, due to the strict pandemic control measures implemented in the PRC, such events had been suspended.