

# TTY BIOPHARM

2023

Sustainability Report

東洋藥品  
永續報告書



2023

Sustainability Report

TTY Biopharm Company Limited

# About TTY Biopharm

營運成果報告

About TTY  
Biopharm

Supply Chain  
Management

Governance

Environmental

Social

ISO Certification

## Economy



- Consolidated revenue was **NTD5,506 million** in the 2023 (**6.98%** CAGR for 2015-2023).
- The first complex generic Liposome drug, **Lipo-AB** has been launched and shipped.
- Complete product lines for intensive cases, vaccines, and oncology.
- Sole distribution and license approval in Taiwan for new type anti-bacteria drugs.
- Sole distributor of anesthetic formulas. Complete full-line choices for health checks, beauty surgeries, and medical operations.
- Agreement on a memorandum with 3 advanced Vietnamese hospitals to facilitate the ASEAN Medical Collaboration Project.
- By the end of 2023, a total of **5** invention patents were approved.
- Provider of the NHI-covered flu vaccine. A total of **860,000** NHI-covered vaccines, and **250,000** self-pay cellular and adjuvant vaccines were provided in 2023.

# Supply Chain Management

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Management**

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## Product



- Currently holding **139** valid drug licenses.
- More than **35** pharmaceutical items were listed in the NHI Pharmaceutical Benefits and Reimbursement.
- By the end of 2023, **5** valid invention patents were awarded.
- By the end of 2023, **206** valid trademarks were granted and **8** were under examination.
- The trial drug is in full conformity with International PIC/S GMP Pharmaceutical standards and Good Distribution Practices for products.

# Governance

## Governance



- TTY has been ranked among the **6%~20%** of TPEX-listed companies in the 10th TWSE Corporate Governance Assessment.
- **7** board meetings were convened in 2023, with an attendance rate of **100%** (excluding attendance via proxy).
- The average advanced training of board members reached **10.33** hours in 2023.
- The board comprises **2** female directors and **3** independent directors, which shows a diversified and independent governance culture.
- The Remuneration Committee convened **2** meetings in total, and all members attended these meetings in person, resulting in a **100%** attendance rate.
- The Audit Committee also held **5** meetings, with all members attending these meetings in person for a **100%** attendance rate.
- In 2023, the Company did not receive any penalties for illegal incidents or violating any of the relevant laws and regulations.

## Environmental



- The Lioudu and Chungli factories saved 339,488,86 kWh of electricity and 168.05 tonCO<sub>2</sub>e via **11** electricity-saving measures.
- The chemical oxygen demand (COD) emissions in the water of the Lioudu and Chungli factories was **8.50** times lower than sewer connection standards.
- The quantity of suspended solids (SS) discharged in the water of the Lioudu and Chungli factories was **25.85** times lower than sewer connection standards.
- The concentrations of air pollutants emitted by the Lioudu and Chungli factories meet the standards and are better than the legal requirements.
- The Chungli and Lioudu factories achieved **100%** in weekly and monthly waste clearance contractor follow-up audits.
- The total waste of TTY was about 43.27 tons, a significant decrease by **13%** in total waste compared to the previous year.
- Achieved a **30%** reduction in the total amount of hazardous waste to 28.43 tons while the total amount of non-hazardous waste was 14.84 tons.

# Social

## Social



- **82** new employees joined in 2023, providing **508** work opportunities.
- **48.33%** of managerial positions are filled by females, demonstrating our commitment to gender equality in the workplace.
- In 2023, the average salary of entry-level positions was more than **1.43** times higher than the local minimum salary.
- In 2023, the average training time of each employee was **4.58** hours.
- Free flu vaccines were offered to **803** employees and their relatives in 2023.
- The Summer Internship Program (SIP) has been held for 16 consecutive years, with the total number of beneficiaries reaching **417** students.

## ISO 45001

Occupational Health & Safety Management System

Certificate No.: 010-23043-0

# Certificate of Approval

This is to certify that the Occupational Health & Safety Management System

**台灣東洋藥品工業股份有限公司**

TTY Biopharm Company Limited

3F., No. 3-1, Park St., Nangang Dist., Taipei City, Taiwan (R.O.C.)

No.838, Sec. 1, Zhonghua Rd., Zhongli Dist, Taoyuan City, Taiwan (R.O.C.)

**ISO 45001:2018**

**驗證範圍**

西藥製造、分包裝、實驗室及運銷作業  
Pharmaceutical manufacturing, packaging, laboratory and  
Distribution business

證書生效日期12/30/2022 · 有效期至12/29/2023 \*

  
**Sanjay Kaushik**  
 Managing Director


  
**QMS**  
Quality Management System

  
**JAS-ANZ**  
INTERNATIONAL CERTIFICATION

QMS Certification Services Pte. Ltd.  
4/F, 1, Jalan Embong, 47  
Raghavendra Colony,  
Yashwanthpur, Bengaluru - 560 022,  
Karnataka, INDIA  
e-mail: qmscert@qmscert.com

\* Subject to compliance with requirements specified in Service Specification & Agreement  
\* To check the validity of this certificate please visit [www.jas-anz.org/registry](http://www.jas-anz.org/registry)

## ISO 14064-1



**DNV**

**Independent Verification Opinion**

Verification Opinion No.: C686723-2023-AG-TWN-DNV

Issued Place: Taipei

Issued Date: 22 May, 2024

This is to verify initiate reporting of Greenhouse Gas Inventory Report (2023) of

### TTY BIOPHARM COMPANY LIMITED

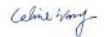
**Scope of Verification**  
DNV Business Assurance (DNV) has been commissioned by TTY BIOPHARM COMPANY LIMITED ('the Organization') to perform a verification of the greenhouse gas statements of Greenhouse Gas Inventory Report (2023) (hereafter the "Inventory Report") in Taiwan, R.O.C. with respect to the sites listed in Appendix A.

The Reporting Boundary for the verification including direct GHG emissions and removals, indirect GHG emissions from imported energy, indirect GHG emissions from transportation, indirect GHG emissions from products used by the Organization and indirect GHG emissions associated with the use of products from the Organization. The further descriptions for the Reporting Boundary listed in Appendix B.

**Verification Criteria and GHG Programme**  
The verification was performed on the basis of ISO 14064-1:2018 as well as criteria given to provide for consistent GHG emission identification, calculation, monitoring and reporting. The verification was conducted in accordance with ISO 14066:2011, ISO 14065:2020, ISO14064-3:2019


**Verification Opinion**  
It is DNV's opinion that the Inventory Report (2023), which was published on May 13, 2024 (Ver. 1), is free from material discrepancies in accordance with the verification criteria identified as stated above. The opinion is decided based on the following approaches:  
 - For the Direct (Category 1) and Indirect GHG emissions from imported energy (Category 2), the reliability of the information within the Inventory Report (2023) were verified with reasonable level of assurance.  
 - For the other indirect GHG emissions, the involved information was tested and verified with a limited level of assurance.

Celine Wang  
GHG Verifier

Place and date:  
Taipei, 22 May, 2024

For the issuing office:  
**DNV Business Assurance Co., Ltd.**  
29Fl, No. 293, Sec. 2, Wenhua Rd.,  
Banqiao District, New Taipei City  
220, Taiwan

Management Representative

emissions and removals (net), (tonnes CO2-e)	
1,700,2181	
4,1854	
433,4237	
1237,2079	
28,3661	
8,488,8048	
145,2118	
2730,9678	
5922,9600	
530,2655	
10189,0229	
469,4739	
85,4671	
404,0088	
2,033,8227	
2,001,1716	
32,6612	
46,2277	
46,2277	
2549,5243	
12,738,5472	

kg CO2-e/ha, which defined in IPCC AR5  
emissions are excluded.

Information made available to us and the engagement party or acting upon this Verification Opinion.  
<http://www.dnv.com/>

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[www.tty.com.tw](http://www.tty.com.tw)

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