





Verification Report

Verification Opinion

Verified as Satisfactory			
Based on the process and procedures conducted, the GHG statement contained in the 2023 Bao cao quan ly	Is materially correct and is a fair representation of GHG data and information.		
kiem ke KNK 2023年溫室氣體盤查管理	Has been prepared in accordance with ISO14064-1:2018		
報告書-味丹-v1-20241001	and its principles		
Lead Verifier	Truong Vinh Khang		
Independent Reviewer	Nguyen Dinh Minh Tam		
Signed on behalf of BSI	Le Duyen Anh – Managing Director BSI Vietnam		
Issue Date	31/12/2024		
RSI Vietnam: 15th Floor ADC Tower E1	OP Dion Bion Dhy Chroat Ward 21 Bink Thouk District Us Chi		

BSI Vietnam: 15th Floor, APC Tower, 518B Dien Bien Phu Street, Ward 21, Binh Thanh District, Ho Chi Minh City, Vietnam

NOTE: BSI Vietnam is independent to and has no financial interest in VEDAN VIETNAM ENTERPRISE CORP., LTD. This 3rd party Verification Opinion has been prepared for VEDAN VIETNAM ENTERPRISE CORP., LTD. only for the purposes of verifying its statement relating to its GHG emissions more particularly described in the scope above. It was not prepared for any other purpose. In making this Statement, BSI Vietnam has assumed that all information provided to it by VEDAN VIETNAM ENTERPRISE CORP., LTD. is true, accurate and complete. BSI Vietnam accepts no liability to any third party who places reliance on this statement.

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Verification Engagement

	VEDAN VIETNAM ENTERPRISE CORP., LTD.	
Organization	National Road 51, Hamlet 1 A, Phuoc Thai Village, Long Thanh District, Dong Nai Province, Vietnam	
	VEDAN VIETNAM ENTERPRISE CORP., LTD.	
Responsible party	VEDAN VIETNAM ENTERPRISE CORP., LTD. National Road 51, Hamlet 1 A, Phuoc Thai Village, Long Thanh District, Dong Nai Province, Vietnam	
	BRANCH OF VEDAN VIETNAM ENTERPRISE CORP., LTD. PHUOC LONG STARCH PLANT Tan Phu Hamlet, Bu Nho Village, Phu Rieng District, Binh Phuoc Province, Vietnam	
Verification Objectives	To express an opinion on whether the organizational GHG Statement which is historical in nature: • Is accurate, materially correct and is a fair representation of GHG	
	 data and information. Has been prepared in accordance with ISO14064-1:2018, the criteria used by BSI to verify the GHG Organizational Statement 	
Materiality Level	5 %	
Level of Assurance	Reasonable	
Verification evidence gathering procedures	 Evaluation of the monitoring and controls systems through interviewing employee's observation & inquiry Verification of the data through sampling recalculation, retracing cross checking, and reconciliation 	
Verification Standards	The verification was carried out in accordance with ISO 14064-3 and ISO 14065	

Organizational GHG Statement

	VEDAN VIETNAM ENTERPRISE CORP., LTD.
Organization	VEDAN VIETNAM ENTERPRISE CORP., LTD. National Road 51, Hamlet 1 A, Phuoc Thai Village, Long Thanh District, Dong Nai Province, Vietnam
	BRANCH OF VEDAN VIETNAM ENTERPRISE CORP., LTD. PHUOC LONG STARCH PLANT Tan Phu Hamlet, Bu Nho Village, Phu Rieng District, Binh Phuoc Province, Vietnam
Organizations GHG Report containing GHG Statement	GHG Inventory report 2023 – 20241001 GA600018-3 GHG Inventory Procedure Vedan Vietnam 01.10.2024
Organizational Boundary	Operational Control

VEDAN VIETNAM ENTERPRISE CORP., LTD PHUOC THAI PLANT The Manufacture of Glutamic acid (GA), Monosodium Glutamate (MSG), Monopotassium L-Glutamate (MPG), Seasoning, Starch (MSG), Monopotassium L-Glutamate (MPG), Seasoning, Starch (Tapioca Starch), Syrup (Maltose Syrup)Glucose Syrup), Modified Starch, Protein Concentrate, Non-dairy creamer, Syrup solid, Maltodextrin/Dextrin, Sodium Hydroxide (NaOH), Hydrochloric Acid (HCI), Sodium Hypochlorite (NaCO), L-Lysine Monohydrochloride (Feed Grade), PGA (Poly Glutamic Acid), Vedagro Organic Fertilizer, Vedafeed Feed Additive, Condensed Molasses Fermentation Solubles (CMS), Starch Pregel, Pregelatinized Modified Starch, Gallic acid. **BRANCH OF VEDAN VIETNAM ENTERPRISE CORP., LTD PHUOC LONG STARCH PLANT The Manufacture of Rice Starch, Rice Flour, Glutinous Rice Starch, Glutinous Rice Flour Bemissions (Scope 1) Emissions from fuel combustions Emission from the industrial production process Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Indirect GHG Emissions from Reporting Boundary: Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from transportation Scope 3 - Cat 4: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. Criteria for developing the organizational GHG Inventory: Reporting Period 01/01/2023 – 31/12/2023			
(MSG), Monopotassium L-Glutamate (MPG), Seasoning, Starch (Tapioca Starch), Syrup (Maltose Syrup/Glucose Syrup), Modified Starch, Protein Concentrate, Non-dairy creamer, Syrup solid, Maltodextrin/Dextrin, Sodium Hydroxide (NaOH), Hydrochloric Acid (HCl), Sodium Hypochlorite (NaClO), L-Lysine Monohydrochloride (Feed Grade), PGA (Poly Glutamic Acid), Vedagro Organic Fertilizer, Vedafeed Feed Additive, Condensed Molasses Fermentation Solubles (CMS), Starch Pregel, Pregelatinized Modified Starch, Gallic acid. * BRANCH OF VEDAN VIETNAM ENTERPRISE CORP., LTD PHUOC LONG STARCH PLANT The Manufacture of Rice Starch, Rice Flour, Glutinous Rice Starch, Glutinous Rice Flour Emissions (Scope 1) Emissions from fuel combustions Emission from the industrial production process Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Indirect GHG Emissions from energy (Scope 2) Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from transportation Scope 3 - Cat 4: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions sassociated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018	Scope of activities:		• VEDAN VIETNAM ENTERPRISE CORP., LTD PHUOC THAI PLANT
Reporting Boundary: Direct GHG Emissions (Scope 1) Indirect GHG Emissions from energy (Scope 2) Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from products used by organization. Scope 3 - Cat 4: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018			(MSG), Monopotassium L-Glutamate (MPG), Seasoning, Starch (Tapioca Starch), Syrup (Maltose Syrup/Glucose Syrup), Modified Starch, Protein Concentrate, Non-dairy creamer, Syrup solid, Maltodextrin/Dextrin, Sodium Hydroxide (NaOH), Hydrochloric Acid (HCl), Sodium Hypochlorite (NaClO), L-Lysine Monohydrochloride (Feed Grade), PGA (Poly Glutamic Acid), Vedagro Organic Fertilizer, Vedafeed Feed Additive, Condensed Molasses Fermentation Solubles (CMS).
Reporting Boundary: Direct GHG Emissions (Scope 1) Indirect GHG Emissions from energy (Scope 2) Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Criteria for developing the organizational GHG Inventory: Glutinous Rice Flour Emissions from fuel combustions Emissions from the industrial production process Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Indirect emissions from imported energy – grid electricity Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from transportation Scope 3 - Cat 4: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. Criteria for developing the organizational GHG Inventory: ISO 14064-1:2018			 BRANCH OF VEDAN VIETNAM ENTERPRISE CORP., LTD. PHUOC LONG STARCH PLANT
Boundary: Direct GHG Emissions (Scope 1) Indirect GHG Emissions from energy (Scope 2) Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Criteria for developing the organizational GHG Inventory: Direct GHG Emission from the industrial production process Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Emission from the industrial production process Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from transportation Scope 3 - Cat 4: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018			The Manufacture of Rice Starch, Rice Flour, Glutinous Rice Starch, Glutinous Rice Flour
Emissions (Scope 1) Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Indirect GHG Emissions from energy (Scope 2) Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from products used by organization. Scope 3 - Cat 4: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018	Reporting		Emissions from fuel combustions
Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Criteria for developing the organizational GHG Inventory: Emissions (Scope 1) Fugitive emissions from air conditioning, wastewater treatment system, fire fighting. Indirect GHG Emissions from Indirect emissions from imported energy – grid electricity Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from products used by organization. Scope 3 - Cat 4: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018	Boundary:	Direct GHG	Emission from the industrial production process
Emissions from energy (Scope 2) Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. Criteria for developing the organizational GHG Inventory: Indirect emissions from imported energy – grid electricity Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018		,	Fugitive emissions from air conditioning, wastewater treatment system,
Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Exclusions from Reporting Boundary: Scope 3 - Cat 3: indirect emissions from transportation Scope 3 - Cat 4: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018			
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Exclusions from Reporting Boundary: Scope 3 - Cat 4: indirect emissions from products used by organization. Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. ISO 14064-1:2018			Exclusions from Reporting Boundary:
Boundary: Scope 3 - Cat 5: indirect emissions associated with the use of products from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. Criteria for developing the organizational GHG Inventory: ISO 14064-1:2018	Boundary:		Scope 3 - Cat 4: indirect emissions from transportation
from the organization. There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. Criteria for developing the organizational GHG Inventory: ISO 14064-1:2018			Scope 3 - Cat 4: Indirect emissions from products used by organization.
There is no requirement from intended users for reporting of scope 3 and significant evaluation result of GHG emission sources. Criteria for developing the organizational GHG Inventory: ISO 14064-1:2018			from the organization.
Criteria for developing the organizational GHG Inventory: ISO 14064-1:2018			There is no requirement from intended users for reporting of scope 3 and
Reporting Period 01/01/2023 – 31/12/2023	Criteria for dorganization	eveloping the al GHG Inventory:	
	Reporting Pe	eriod	01/01/2023 - 31/12/2023

Greenhouse Gas Emission Inventory

VEDAN VIETNAM ENTERPRISE CORP., LTD. – PHUOC THAI PLANT

Emission sources, tCO2(e)	Base year 2021	2022	2023
Direct GHG Emissions – Non-biogenic (scope 1)	709,056	591,341	546,725
Indirect Emissions from Imported Energy (scope 2)	73,955	104,848	82,015
Total GHG Emissions – PHUOC THAI PLANT	783,011	696,189	628,740
All other indirect emissions, tCO2e (scope 3)	694,337	-	-
Total GHG Emissions (including Scope 3)	1,477,348	696,189	628,740
Direct GHG Emissions – Biogenic	122,000	121,564	105,186

BRANCH OF VEDAN VIETNAM ENTERPRISE CORP., LTD. - PHUOC LONG PLANT

Emission sources, tCO2e	Base year 2023
Direct GHG Emissions – Non-biogenic (scope 1)	111
Indirect Emissions from Imported Energy (scope 2)	483
Total GHG Emissions - PHUOC LONG Plant	594
Direct GHG Emissions – Biogenic	431

VEDAN VIETNAM ENTERPRISE CORP., LTD. - in General

Emission sources, tCO2(e)	2021	2022	2023
Direct GHG Emissions – Non-biogenic (scope 1)	709,056	591,341	546,836
Indirect Emissions from Imported Energy (scope 2)	73,955	104,848	82,498
Total GHG Emissions VEDAN VIETNAM ENTERPRISE CORP., LTD.	783,011	696,189	629,334
Direct GHG Emissions – Biogenic	122,000	121,564	105,617