



COMPANY PROFILE

THE PROQC VIET NAM INSPECTION COMPANY LIMITED

Ha Noi, January 2025



PROQC VIET NAM

*ACCURACY – OBJECTIVENESS – PROMPTNESS WITH REASONABLE COST
is our operating motto*



1

ABOUT US

History of development



2010



Started up in 2010

2011



Setup a branch in Cai Lan port, Vietnam to provide services on woodchip/coal inspection and marine survey.

2012



and expanding local teams in almost main ports of Vietnam.

2014



ProQC Vietnam apply QMS conformity with ISO/IEC 17020

With the code No. VIAS 033, specialize in inspection Agriculture products and Quantity survey.

2015



Setup local teams in Thailand and Philippines

Specialize in marine survey

2021



Set up Offices in the South, Middle and North of Vietnam

ProQC Vietnam in Hai Phong
ProQC Vietnam in Khanh Hoa
ProQC Vietnam in Ho Chi Minh

2022

ISO/IEC
17025

ProQC Vietnam apply QMS conformity with ISO/IEC 17025

With the code No. VILAS 1459
Specialize in woodchips / Wood pellets / coal and coke analysis

OUR REACH

We primarily focus on Marine survey in Vietnam and Thailand.
We have also successfully provided Quality surveys and analysis on woodchips, wood pellets, coal cargo in Vietnam.

3

countries

15

Years experience

250

Satisfied clients



OUR REACH in Vietnam

We cover every mainports in Vietnam.

We provided significant services on Quality surveys and Analysis on **woodchips, wood pellets, coal cargo** in Vietnam.

15

Years experience

300 Voyages

>40 Voyages

5.000.000

BDMTs (woodchips)

>800.000

MTs (woodpellets)



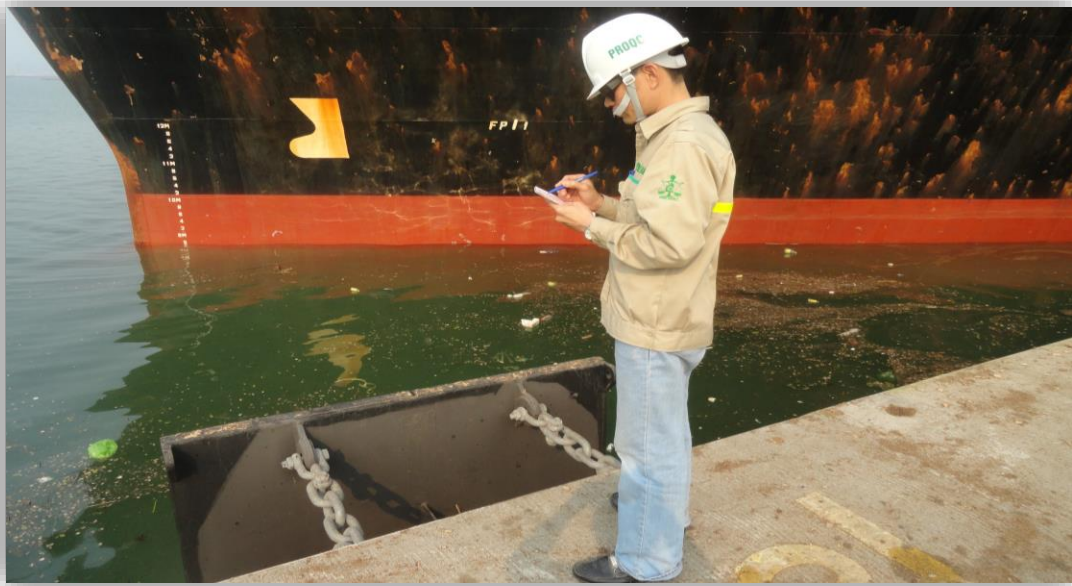


2

OUR SERVICES

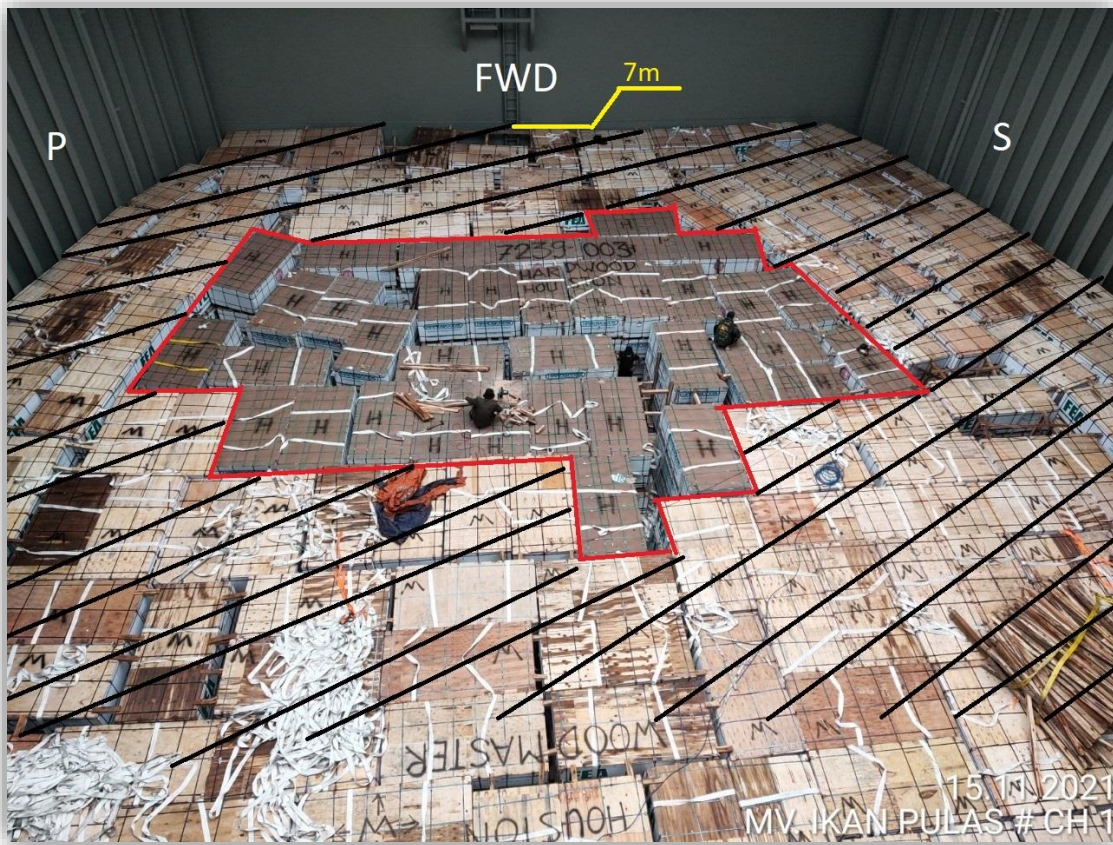
MARINE SURVEY

- ✓ Draft survey.
- ✓ Supervising discharging/loading operation
- ✓ On/off hire survey
- ✓ Bunker detective survey
- ✓ Petroleum survey on tankers
- ✓ Petroleum survey on shore tanks
- ✓ Container survey and loaded/unloaded survey
- ✓ Hold cleanliness survey and hose test
- ✓ Sealing cargo holds
- ✓ Damage survey



PRE-LOADING SURVEY PORT CAPTAINCY

- ✓ Hold cleanliness survey and hose test
- ✓ Inspection cargo before loading onto the vessel
- ✓ Monitoring process of loading cargo
- ✓ Tally services
- ✓ Cargo loaded Block
- ✓ Sealing cargo hold
- ✓ Damage survey
- ✓ Clearance survey



INSPECTION SERVICES ON WOODCHIPS WOOD PELLETS

- ❖ Cargo Quantity for weight by scale
- ❖ Barge Draft survey
- ❖ Vessel Draft survey
- ❖ Hold Cleanliness Survey
- ❖ Pre-inspection on woodchips quality
- ❖ Classify cargo as per contract
- ❖ Sampling and Analysis
- ❖ Data Analysis
- ❖ Portcapt for loading wood pellets



EXPORTING WOODCHIPS INSPECTION

- ✓ Draft survey
- ✓ Sampling for woodchips' quality determination
- ✓ Analyzing woodchips quality at VILAS 17025 Laboratory



Woodchips survey for vessel exporting to China

ACCURACY - OBJECTIVENESS - PROMPTNESS

www.proqc.vn

INSPECTION SERVICES ON COAL/COKE

- ❖ Cargo Quantity for weight by scale
- ❖ Barge Draft survey
- ❖ Vessel Draft survey
- ❖ Hold sealing
- ❖ Sampling and Analysis





ANALYSIS AND TESTING SERVICES

SPECIFICATIONS GUIDE

Specifications guide	QC1	QC4	QC5	QC6
6th Tray	-	40.0mm holes	45.0mm holes	45.0mm holes
5th Tray	28.6mm holes	8mm slots	20mm slots	8mm slots
4th Tray	22.2mm holes	22.2mm holes	22.2mm holes	13.0mm holes
3rd Tray	9.5mm holes	9.5mm holes	9.5mm holes	7.0mm holes
2nd Tray	4.8mm holes	4.8mm holes	4.8mm holes	3.0mm holes
1st Tray	0mm	0mm holes	0mm holes	0mm holes
Others				
Bark and Rot	x	x	x	x
Non-contracted Chips	-	-	x	-
Heavy impurities	-	x	-	-



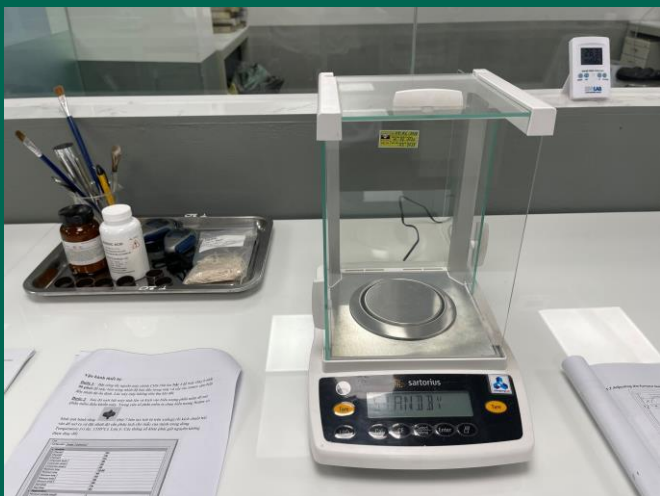
Testing services for various types:

- ✓ Moisture / Dry content
- ✓ Specifications

- ✓ Bark and Rotten chips
- ✓ Heavy Impurities (Sand and Rust)
- ✓ Bulk Density, Basic Density



ANALYSIS AND TESTING SERVICES



Testing services for various types:

- ✓ Proximate (moisture, ash, volatile matter, CV, sulfur and FC)
- ✓ Ultimate (carbon, hydrogen, nitrogen and oxygen)
- ✓ Sizing
- ✓ Sample preparation
- ✓ Bulk density

The background features a large, faint illustration of a pair of scales of justice, symbolizing fairness and balance. The scales are positioned on either side of the central text. In the background, there are also faint industrial icons, including a factory with a chimney and a power plant with cooling towers, suggesting a focus on energy and industry. The entire scene is set against a white background with a dark green border at the top and bottom.

3

OUR INSPECTION ON SOLID BIOFUELS



DURING THE LOADING AND STORING PROCESS

- ✓ To check the condition of pellet trucks before unloading to make sure no contamination affected and sound wood pellet on the trucks.
- ✓ To check warehouse condition to make sure the warehouse to be in good condition and meet all requirement to store wood pellet.
- ✓ To check wood pellets during unloading from the trucks to the warehouse to make sure that wood pellets to be in good condition.
- ✓ To take representative sample for each truck to analysis quality



PRE-LOADING PROCESS ONTO THE VESSEL

- ✓ Hose test
- ✓ Cargo Hold Cleanliness Survey



DURING LOADING PROCESS ONTO THE VESSEL

- ✓ Check the condition of trucks, containers used for transiting wood pellet from warehouse to the port before loading operation to make sure no contamination
- ✓ Check the wood pellet on the barges alongside the vessel before transferring.
- ✓ Determine on the weight of loaded cargo by mean of barge/vessel draft survey.
- ✓ Take samples to determine the specifications/quality of loaded cargo

DURING LOADING PROCESS ONTO THE VESSEL

- ✓ Check the condition of trucks, containers used for transiting wood pellet from warehouse to the port before loading operation to make sure no contamination
- ✓ Check the wood pellet on the barges alongside the vessel before transferring.
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- ✓ Take samples to determine the specifications/quality of loaded cargo





DURING LOADING PROCESS ONTO THE VESSEL

- ✓ Check the condition of trucks, containers used for transiting wood pellet from warehouse to the port before loading operation to make sure no contamination
- ✓ Check the wood pellet on the barges alongside the vessel before transferring.
- ✓ Check and remove contamination
- ✓ Take samples to determine the specifications/quality of loaded cargo

05 Processes of Incoming Quality control



STEP 01

Define Mass of
Lot and
Sampling Plan

STEP 02

Prepare
equipment
and tools

STEP 03

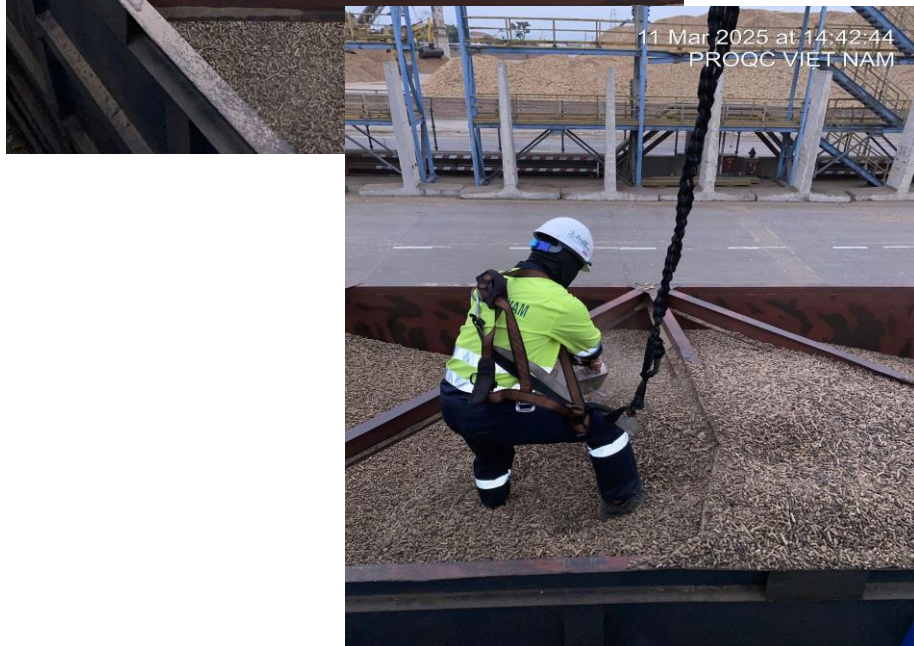
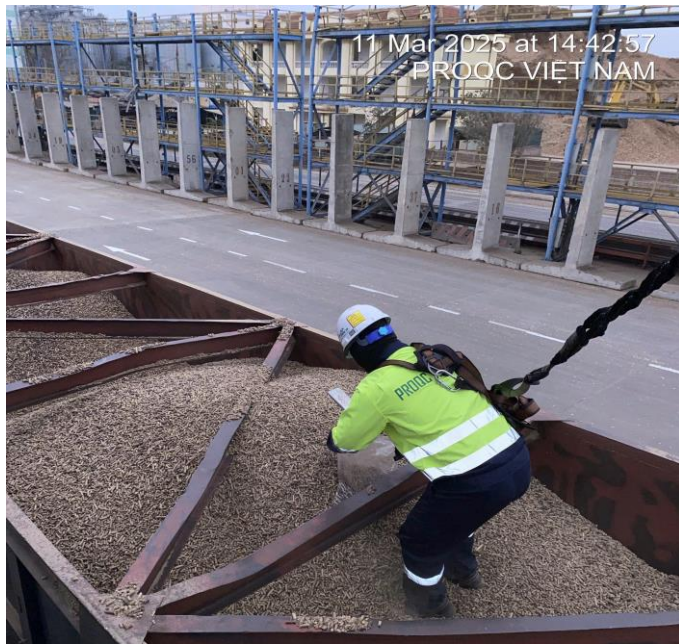
Check the
trucks,
warehouse and
cargo condition
before
unloading/
loading

STEP 04

Take sample,
prepare and
division of
samples.
Record
samples

STEP 05

Analysis
Samples at
Laboratory



TAKING SAMPLE DURING LOADING PROCESS ONTO THE VESSEL

- ✓ To take increments every 100 tons randomly from loading container during the loading onto the vessel
- ✓ To prepare full composite samples for whole shipment in compliance with ISO 18135

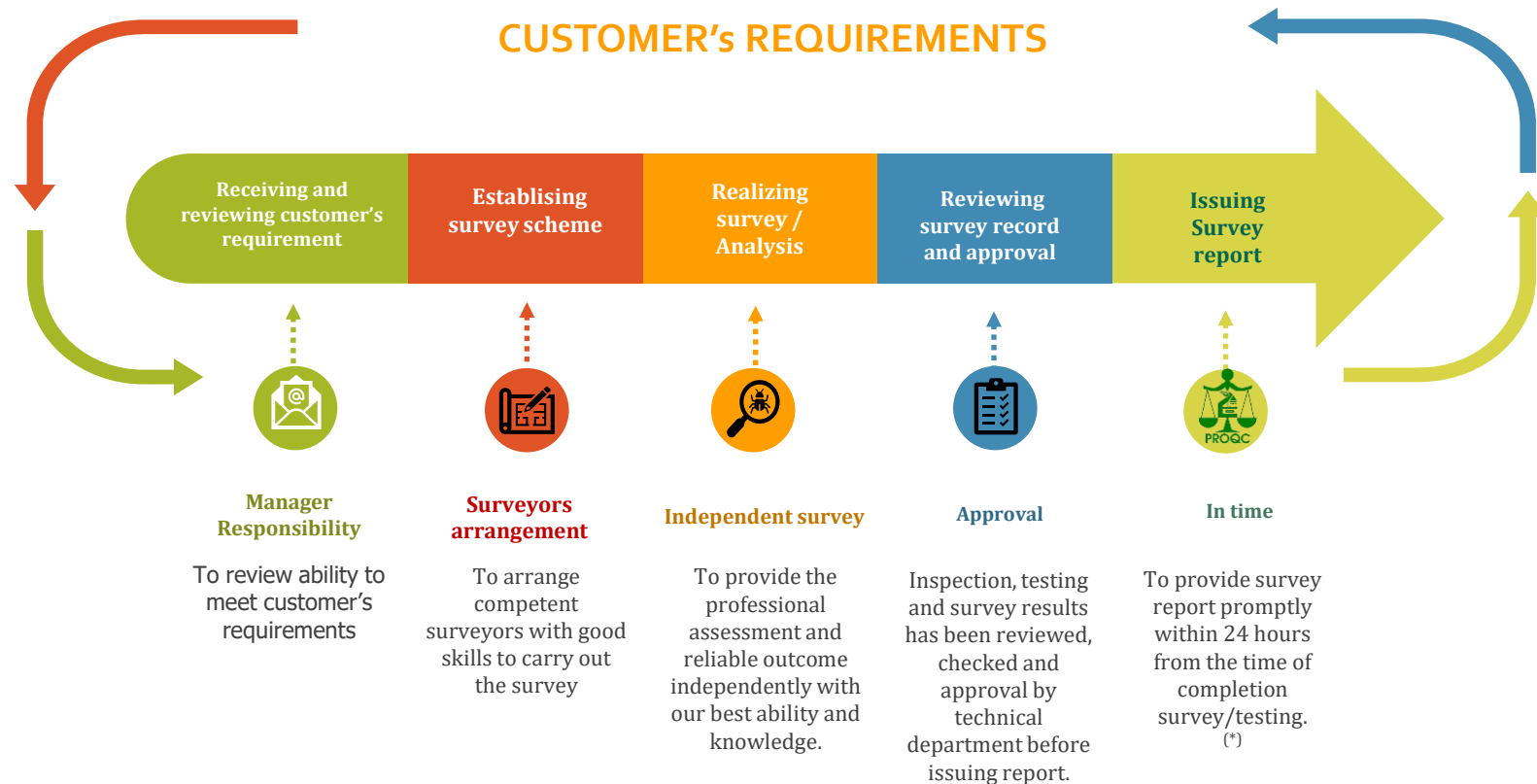
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OUR INSPECTION PROCESS



INSPECTION PROCESS



We are expecting to receive the feedback from Customers in order to improve our quality services and meet the legitimate customer's requirements.

** Exception of several parameters which analysing in more than 24hrs*



CÔNG TY TNHH GIÁM ĐỊNH PROQC VIỆT NAM
THE VIETNAM PROQC INSPECTION COMPANY LIMITED
 2nd Floor, Goldenwest Building,
 No. 2, Le Van Thiem Str,
 Nhan Chinh Ward, Thanh Xuan Dist.,
 Hanoi, Vietnam
 Email : ops@proqc.vn
 proqc.vn@gmail.com
 Website: http://www.proqc.vn
 Hotline: (+84) 913 539 390
 Tel : (+84) 203 629 098
 Fax : (+84) 203 629 098

SURVEY REPORT ON WEIGHT

No. : QC392408-01
 Date : 13 October 2023

Applicant :
 Commodity : ACACIA WOODCHIPS
 Weight : 35,466.91 GMTs
 Vessel : MV. ORIENTAL BREEZE V.103
 Loading port : SOUTH VAN PHONG, VIETNAM
 Discharging port : KINUURA, JAPAN

RESULTS OF INSPECTION

This is to certify that, We - Surveyors of PROQC VIETNAM did attend on board and alongside the said above vessel for the purpose of inspection on the loaded weight of cargo. Here under are our findings:

1. WEIGHT AT OBSERVED MOISTURE:

Basing on the results of our draft survey and the documents provided by the ship, we calculated & certified the weight of cargo at the moisture of M = % loaded on board the vessel to be:

w = 35,466.91 MTs

(Says: Thirty five thousand four hundred and sixty six point nine one metric tons.)

2. WEIGHT AT BONE DRY METRIC TONS (BDMT):

Basing on the respective moisture contents certified at the Survey report on Moisture content and Specifications No. QC392408-02, the bone dry weight of woodchips is calculated as followings:

W = w(100-M)/100 = DMTs

(Says: Eighteen t weight metric tons.)

Place of survey : Held at South Van Phong port and in the Laboratory.
 Date of survey : From 06 October 2023 to 13 October 2023

*** Enclosure :**

- Survey report for weight by draft No. : QC39408, dated 12 October 2023
- Survey report on moisture and specifications : QC392408-02, dated 13 October 2023

(This survey report presents our findings at the time and place of inspection only)

SURVEYOR

nam

NGUYEN HUU NAM

**FOR DIRECTOR
 DEPUTY DIRECTOR**



DAO QUOC TOAN

Our quality policy is to satisfy customers' requirement by supplying inspection and quality control services accurately, objectively and promptly



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 Hotline: (+84) 913 539 390
 Tel : (+84) 203 629 098
 Fax : (+84) 203 629 098

SURVEY REPORT ON MOISTURE CONTENT AND SPECIFICATIONS

No. : QC392408-02
 Date : 13 October 2023

Applicant :
 Commodity : ACACIA WOODCHIPS
 Weight : 35,466.91 GMTs
 Vessel : MV. ORIENTAL BREEZE V.103
 Loading port : SOUTH VAN PHONG, VIET NAM
 Discharging port : KINUURA, JAPAN

RESULTS OF INSPECTION

I. SAMPLING:

The representative samples of cargo were taken by our surveyors from containers and loading conveyor during the loading operation with ratio of about 50 tons per sample and then every two representative samples were well mixed and divided into 03 following sets:

- 1 Set for moisture and rotten wood testing
- 1 Set for size screen testing
- 1 Set for bark and foreign matters testing

II. TESTING:

The representative samples were analysed in the Laboratory of PROQC VIETNAM. The results are as follows:

- 1. Moisture content : %
- 2. Specifications :

Size :	* Over 28.6 mm	%
	* 4.8 mm ÷ 28.6 mm	%
	* 9.5 mm ÷ 22.2 mm	%
	* Under 4.8 mm	%
Barks and foreign matters		%
Rotten wood		0.00 %

Place of survey : Held at South Van Phong port and in the Laboratory.
 Date of survey : From 06 October 2023 to 13 October 2023

(This survey report presents our findings at the time and place of inspection only)

SURVEYOR

nam

NGUYEN HUU NAM

**FOR DIRECTOR
 DEPUTY DIRECTOR**



DAO QUOC TOAN

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CERTIFICATE OF QUALITY

No. : QC400160-02
 Date : 21 April 2024

Shipper :
 Consignee : **TO ORDER**
 Commodity : **ACACIA WOODCHIPS FOR PULPING USE, VIETNAM ORIGIN**
 : **PACKING IN BULK**
 Quantity : **41,244.68 MT**
 Vessel : **MV. TRUONG LONG 01 V.2407**
 Loading port : **CAI LAN PORT IN VIETNAM**
 Discharging port : **TIESHAN PORT, CHINA**
 Purchase order number :

RESULTS OF INSPECTION

The representative samples of cargo were taken by our surveyors from loading conveyor during the loading operation with ratio of about 50 tons per sample and then every two representative samples were well mixed and divided into 03 following sets:

- 1 Set for moisture and quality testing
- 1 Set for sending to the Shipper
- 1 Set for retention

The representative samples were analysed in the Laboratory of PROQC VIETNAM. The results are as follows:

Test item	Analysis results
* Over 40.0 mm	<input type="text"/> %
* Thickness over 8.0 mm	<input type="text"/> %
* 4.8 mm - Thickness 8.0 mm	<input type="text"/> %
* Under 4.8 mm	<input type="text"/> %
Barks and rotten chips	<input type="text"/> %
Charcoal	Not detected
Total (LBR)	0.00 %

Place of survey : Held at Cai Lan port and in the Laboratory of ProQC Vietnam VILAS 1459.
 Date of survey : From 17 April 2024 to 21 April 2024

(This survey report presents our findings at the time and place of inspection only)

SURVEYOR



NGUYEN THI NGOC THUAN

**FOR DIRECTOR
 DEPUTY DIRECTOR**




DAO QUOC TOAN

CERTIFICATE OF QUANTITY/WEIGHT

No. : QC400160-04
 Date : 21 April 2024

Shipper :
 Consignee : **TO ORDER**
 Commodity : **ACACIA WOODCHIPS FOR PULPING USE, VIETNAM ORIGIN**
 : **PACKING IN BULK**
 Weight : **41,704.01 MT**
 Vessel : **MV. TRUONG LONG 01 V.2407**
 Loading port : **CAI LAN PORT IN VIETNAM**
 Discharging port : **TIESHAN PORT, CHINA**
 Purchase order number :

RESULTS OF INSPECTION

This is to certify that, We - Surveyors of PROQC VIETNAM did attend on board and alongside the said above vessel for the purpose of inspection on the loaded weight of cargo. Here under are our findings:

1. WEIGHT AT OBSERVED MOISTURE:

Basing on the results of our draft survey and the documents provided by the ship, we calculated & certified the weight of cargo at the moisture of M = % loaded on board the vessel to be:

w = 41,244.68 MT

(Says: Forty one thousand two hundred and forty four point six eight metric ton.)

2. WEIGHT AT BONE DRY METRIC TONS (BDMT):

Basing on the respective moisture contents certified at the Certificate of Moisture No. QC400160-01, the bone dry weight of woodchips is calculated as follows:

$W = w (100-M)/100 = 41,244.68 (100 - \text{input}) / 100 = \text{input} \text{ BDMTs}$

(Says: metric ton.)

Place of survey : Held at Cai Lan port and in the Laboratory of ProQC Vietnam VILAS 1459.
 Date of survey : From 17 April 2024 to 21 April 2024

(This survey report presents our findings at the time and place of inspection only)

SURVEYOR



NGUYEN THI NGOC THUAN

**FOR DIRECTOR
 DEPUTY DIRECTOR**




DAO QUOC TOAN



4

OUR QUALIFICATIONS

SỞ KẾ HOẠCH VÀ ĐẦU TƯ
THÀNH PHỐ HÀ NỘI
PHÒNG ĐĂNG KÝ KINH DOANH

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập – Tự do – Hạnh phúc

**GIẤY CHỨNG NHẬN ĐĂNG KÝ DOANH NGHIỆP
CÔNG TY TRÁCH NHIỆM HỮU HẠN MỘT THÀNH VIÊN**

Mã số doanh nghiệp: 0104983989

Đăng ký lần đầu: ngày 30 tháng 11 năm 2010

Đăng ký thay đổi lần thứ: 4, ngày 09 tháng 12 năm 2021

1. Tên công ty

Tên công ty viết bằng tiếng Việt: CÔNG TY TNHH GIÁM ĐỊNH PROQC VIỆT NAM

Tên công ty viết bằng tiếng nước ngoài: VIET NAM PROQC INSPECTION COMPANY LIMITED

Tên công ty viết tắt: PROQC VIET NAM CO.,LTD

2. Địa chỉ trụ sở chính

Tầng 2, Tòa Nhà Goldenwest, Số 2 Lê Văn Thiêm, Phường Nhân Chính, Quận Thanh Xuân, Thành phố Hà Nội, Việt Nam

Điện thoại: 091 3539390

Email:

Website:

3. Vốn điều lệ

10.000.000.000 đồng

Bằng chữ: Mười tỷ đồng

4. Thông tin về chủ sở hữu

Họ và tên: ĐÀO QUANG TUẤN

Giới tính: Nam

Sinh ngày: 17/09/1973

Dân tộc: Kinh

Quốc tịch: Việt Nam

Loại giấy tờ pháp lý của cá nhân: Thẻ căn cước công dân

Số giấy tờ pháp lý của cá nhân: 022073003204

Ngày cấp: 28/06/2021

Nơi cấp: Cục cảnh sát QLHC về TTXH

Địa chỉ thường trú: Tổ 18, Khu 7, Phường Cao Xanh, Thành phố Hạ Long, Tỉnh Quảng Ninh, Việt Nam

Địa chỉ liên lạc: Tổ 18, Khu 7, Phường Cao Xanh, Thành phố Hạ Long, Tỉnh Quảng Ninh, Việt Nam

5. Người đại diện theo pháp luật của công ty

* Họ và tên: ĐÀO QUANG TUẤN

Giới tính: Nam

Chức danh: Giám đốc

Sinh ngày: 17/09/1973

Dân tộc: Kinh

Quốc tịch: Việt Nam

Loại giấy tờ pháp lý của cá nhân: Thẻ căn cước công dân

Số giấy tờ pháp lý của cá nhân: 022073003204

Ngày cấp: 28/06/2021

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Địa chỉ liên lạc: Tổ 18, Khu 7, Phường Cao Xanh, Thành phố Hạ Long, Tỉnh Quảng Ninh, Việt Nam

W. TRƯỞNG PHÒNG



CERTIFICATE OF BUSINESS REGISTRATION OF COMPANY LIMITED WITH ONE MEMBER

No. 0104983989

*The first registration on 30 November 2010
Registration of forth change on 09 December 2021*

1. Name of Company : THE VIET NAM PROQC INSPECTION COMPANY LIMITED

Transaction name : VIETNAM PROQC INSPECTION COMPANY LIMITED

Name in brief : PROQC VIETNAM CO., LTD.

2. Head Office address :

2nd Floor, Goldenwest Building, No. 2 Le Van Thiem street, Nhan Chinh Ward, Thanh Xuan District, Hanoi, Vietnam.

Tel : 091 3539390

Fax:

Email:

Website:

3. Charter Capital: VND 10,000,000,000

(Says: Vietnam Dong Ten Billion.)

4. Owner:

Full name : DAO QUANG TUAN

Sex: *Male*

Date of birth : *17 / 09 / 1973*

Ethnic group: *Kinh*

Nationality : *Vietnam*

ID Card No. : 022073003204

Issued on : *28 / 06 / 2021*

by Police Department on Administrative Management of Social Order

Permanent householder registration: *Group 18, Quarter 7, Cao Xanh Ward, Ha Long City, Quang Ninh Province, Vietnam*

Current Address: *Group 18, Quarter 7, Cao Xanh Ward, Ha Long City, Quang Ninh Province, Vietnam*

5. Legal Representative

Position : *DIRECTOR*

Full name : DAO QUANG TUAN

Sex: *Male*

Date of birth : *17 / 09 / 1973*

Ethnic group: *Kinh*

Nationality : *Vietnam*

ID Card No. : 022073003204

Issued on : *28 / 06 / 2021*

by Police Department on Administrative Management of Social Order

Permanent householder registration: *Group 18, Quarter 7, Cao Xanh Ward, Ha Long City, Quang Ninh Province, Vietnam*

Current Address: *Group 18, Quarter 7, Cao Xanh Ward, Ha Long City, Quang Ninh Province, Vietnam.*

CHIEF OF BUSINESS REGISTRATION OFFICE

(Signed and Sealed)

CHIEF

TRAN HA THANH



Member of ILAC/APAC MRA

CHỨNG CHỈ CÔNG NHẬN Certificate of Accreditation

CÔNG TY TNHH GIÁM ĐỊNH PROQC VIỆT NAM
THE VIETNAM PROQC INSPECTION COMPANY LIMITED

Trụ sở chính/ Head office:

Tầng 2, tòa nhà Goldenwest, số 2 Lê Văn Thiêm, P. Nhân Chính, Q. Thanh Xuân, Tp. Hà Nội
2nd Floor, Goldenwest Tower, No.2 Le Van Thiem Street, Nhan Chinh ward,
Thanh Xuan district, Ha Noi City, Vietnam

Địa điểm được công nhận/ Accredited locations:

Ô số 3, Lô A1, KĐT mới Cao Xanh - Hà Khánh A, P. Cao Xanh, Tp. Hạ Long, tỉnh Quảng Ninh
No. 3, Lot A1, Cao Xanh urban area, Ha Khanh A ward, Ha Long city, Quang Ninh province, Vietnam
Mã số/ Accreditation No.

VIAS 033

được công nhận có đủ năng lực giám định phù hợp theo các yêu cầu của tiêu chuẩn
is accredited to undertake inspections. The Accredited Inspection Body meets the requirements of
ISO/ IEC 17020:2012 (TCVN ISO/IEC 17020:2012)

Phạm vi được công nhận

Scope of Accreditation

Theo phụ lục kèm quyết định số: 987.2022/QĐ-VPCNCL ngày 22/12/2022

As in the accreditation schedule accompanied with
accreditation decision No. 987.2022/QĐ-VPCNCL dated 22 December 2022



Ngày/ Date of Issue: 22/12/2022

Hiệu lực công nhận/ Period of validation: up to 22/12/2025

Hiệu lực lần đầu/ Beginning of accreditation: 05/06/2014



Member of ILAC/APAC MRA

CHỨNG CHỈ CÔNG NHẬN Certificate of Accreditation

Phòng thí nghiệm:

PHÒNG THỬ NGHIỆM
CÔNG TY TNHH GIÁM ĐỊNH PROQC VIỆT NAM

Laboratory:

LABORATORY
THE VIETNAM PROQC INSPECTION COMPANY LIMITED

Địa điểm PTN/ Lab location:

Ô số 3, Lô A1, khu đô thị mới Cao Xanh - Hà Khánh A, phường Cao Xanh,
thành phố Hạ Long, tỉnh Quảng Ninh
đã được đánh giá và phù hợp các yêu cầu của
has been assessed and found to conform with the requirements of

ISO/IEC 17025:2017

Lĩnh vực công nhận

Field of Accreditation

HÓA

Chemical

Mã số

Accreditation No

VILAS 1459



Ngày/ Date of Issue: 18/10/2022 (Annex of decision: 808.2022/QĐ-VPCNCL date 18/10/2022)

Hiệu lực công nhận/ Period of validation: up to 18/10/2025

Hiệu lực lần đầu/ Beginning of accreditation: 18/10/2022

DANH MỤC HOẠT ĐỘNG GIÁM ĐỊNH ĐƯỢC CÔNG NHẬN

LIST OF ACCREDITED INSPECTIONS

VIAS 033

Lĩnh vực giám định <i>Field of Inspection</i>	Đối tượng giám định <i>Inspection Items</i>	Nội dung giám định <i>Range of Inspection</i>	Phương pháp, quy trình giám định <i>Inspection Methods/ Procedures</i>
Nông sản <i>Agricultural products</i>	Dăm gỗ <i>Woodchips</i>	Lấy mẫu <i>Sampling</i> Khối lượng theo cân, theo mớn <i>Weighing by scale and draft survey</i> Chất lượng (độ ẩm, quy cách, tạp chất). <i>Quality (moisture content, particle size, contamination matter)</i>	ProQC.vn/Q.02
Hàng hải <i>Marine</i>	Hàng rời <i>Cargo</i>	Số lượng Khối lượng theo cân, theo mớn <i>Quantity, Weighing by scale and draft survey</i>	ProQC.vn/Q.01

Ghi chú/ Note:

- ProQC.vn/Qxx: Quy trình giám định do tổ chức giám định xây dựng/ *IB's developed methods*



PHẠM VI GIÁM ĐỊNH ĐƯỢC CÔNG NHẬN MỞ RỘNG

SCOPE OF EXTENTION ACCREDITED INSPECTIONS

VIAS 033

Lĩnh vực giám định <i>Category of Inspection</i>	Nội dung giám định <i>Type and Range of Inspection</i>	Phương pháp, qui trình giám định <i>Inspection Methods/ Procedures</i>	Địa điểm và bộ phận liên quan <i>Location(s) and relating division(s)</i>
Quặng và khoáng sản: Than đá và than cốc <i>Ores and Minerals: Coal and Coke</i>	- Lấy mẫu <i>Sampling</i> - Chất lượng (các đặc tính cơ lý, hoá lý) <i>Quality (physico-mechanical, physico-chemical characteristics)</i>	Proqc.vn / Q.03 Proqc.vn / Q.05	Phòng giám định Phòng nghiệp vụ

Ghi chú/ Note:

Proqc.vn/Q.xx: Quy trình giám định do tổ chức giám định xây dựng / *IB's developed methods*

DANH MỤC PHÉP THỬ ĐƯỢC CÔNG NHẬN

LIST OF ACCREDITED TESTS

VILAS 1459

Lĩnh vực thử nghiệm: Hóa

Field of Testing: Chemical

TT	Tên sản phẩm, vật liệu thử Materials or products tested	Tên phương pháp thử cụ thể The Name of specific tests	Giới hạn định lượng (nếu có) / Phạm vi đo Limit of quantitation (if any)/range of measurement	Phương pháp thử Test methods
1.		Chuẩn bị mẫu phân tích Preparation of test samples		ISO 13909-4:2016 TCVN 1693:2008
2.		Xác định độ ẩm toàn phần Phương pháp A2, B2 Determination of total moisture A2, B2 method	Đến/ to 70%	TCVN 172:2019 ISO 589:2008
3.		Xác định độ ẩm trong mẫu phân tích chung Determination of moisture in general analysis test sample	Đến/ to 45%	TCVN 4919:2007 (ISO 687:2010)
4.		Xác định hàm lượng ẩm trong mẫu phân tích chung Phương pháp làm khô trong nitơ Determination of moisture in the general analysis test sample Drying in nitrogen method	Đến/ to 45%	TCVN 11152:2015 ISO 11722:2013
5.	Than đá và cốc Hard coal & coke	Xác định hàm lượng tro Determination of ash content	0,2 %	TCVN 173:2011 ISO 1171:2010
6.		Xác định hàm lượng chất bốc Determination of volatile matter content	Đến/ to 65 %	TCVN 174:2011 ISO 562:2010
7.		Xác định trị số toả nhiệt toàn phần Phương pháp bom đo nhiệt lượng và tính giá trị toả nhiệt thực Determination of gross calorific value Calorimeter bomb method and calculation of net calorific value.	(52-12.000) cal/g	TCVN 200:2011 ISO 1928:2020
8.		Xác định hàm lượng lưu huỳnh Phương pháp đo phổ hồng ngoại (IR) Determination of sulfur content IR spectrometry method	Đến/ to 10%	TCVN 8622:2010 ISO 19579:2006

DANH MỤC PHÉP THỬ ĐƯỢC CÔNG NHẬN

LIST OF ACCREDITED TESTS

VILAS 1459

TT	Tên sản phẩm, vật liệu thử Materials or products tested	Tên phương pháp thử cụ thể The Name of specific tests	Giới hạn định lượng (nếu có) / Phạm vi đo Limit of quantitation (if any)/range of measurement	Phương pháp thử Test methods
9.	Than đá và cốc Hard coal & coke	Xác định cỡ hạt Phương pháp sàng Determination of size Sieve method	Đến/ to 100 mm	TCVN 251:2018 ISO 1953:2015
10.		Xác định kích cỡ Phương pháp sàng Particle size wood fuels Sieve method	Đến/ to 45mm	SCAN CM 40:1994 Proqc.vn /O.04/ 2022
11.	Dăm gỗ Wood chip	Xác định độ ẩm Determination of moisture	Đến/ to 80%	SCAN CM 39:1994 Proqc.vn /O.04/ 2022

Ghi chú/ Note:

SCAN CM 40:1994: Scandinavian pulp, paper and board testing committee

Proqc.vn /O.04/ 2022: Phương pháp do PTN xây dựng/ Laboratory developed method

DANH MỤC PHÉP THỬ ĐƯỢC CÔNG NHẬN MỞ RỘNG

LIST OF EXTEND ACCREDITED TESTS

VILAS 1459

Lĩnh vực thử nghiệm: Hóa

Field of testing: Chemical

TT	Tên sản phẩm, vật liệu được thử/ Materials or product tested	Tên phép thử cụ thể/ The name of specific tests	Giới hạn định lượng (nếu có)/ Phạm vi đo Limit of quantitation (if any)/range of measurement	Phương pháp thử/ Test method
1.	Nhiên liệu sinh Khối rắn/Sinh khối (bao gồm củi, trấu các loại, viên gỗ nén các loại) Solid biomass fuel/biomass (including all type of rice husk, Charcoal wood pellet)	Xác định chiều dài, đường kính Determination of length and diameter		ISO 17829:2015
2.		Xác định tỷ khối Determination of bulk density		ISO 17828:2015
3.		Xác định hàm lượng hạt mịn của viên nén Determination of fines content in quantities of pellets		ISO 18846:2016
4.		Xác định độ ẩm toàn phần Phần 1: Phương pháp trọng tài Determination of Total moisture content Part 1: Reference method		ISO 18134-1:2022
5.		Xác định độ ẩm toàn phần Phần 2: Phương pháp rút gọn Determination of Total moisture content Part 2: Simplified method		ISO 18134-2:2017
6.		Xác định hàm lượng độ ẩm trong mẫu thử phân tích chung Determination of moisture in the general analysis		ISO 18134-3: 2023
7.		Xác định giá trị trị số tỏa nhiệt toàn phần. Determination of calorific value	(52~12.000) cal/g	ISO 18125: 2017
8.		Xác định hàm lượng tro Determination of ash content	Đến/to: 45 %	ISO 18122:2022
9.		Xác định hàm lượng chất bốc Determination of volatile matter	-	ISO 18123:2023

DANH MỤC PHÉP THỬ ĐƯỢC CÔNG NHẬN MỞ RỘNG

LIST OF EXTEND ACCREDITED TESTS

VILAS 1459

TT	Tên sản phẩm, vật liệu được thử/ Materials or product tested	Tên phép thử cụ thể/ The name of specific tests	Giới hạn định lượng (nếu có)/ Phạm vi đo Limit of quantitation (if any)/range of measurement	Phương pháp thử/ Test method
10.	Nhiên liệu sinh Khối rắn/Sinh khối (bao gồm củi, trấu các loại, viên gỗ nén các loại) Solid biomass fuel/biomass (including all type of rice husk, Charcoal wood pellet)	Xác định hàm lượng Lưu huỳnh Phương pháp đo phổ hồng ngoại (IR). Determination of sulfur content IR spectrometry method	0,020%	ISO 16994:2016

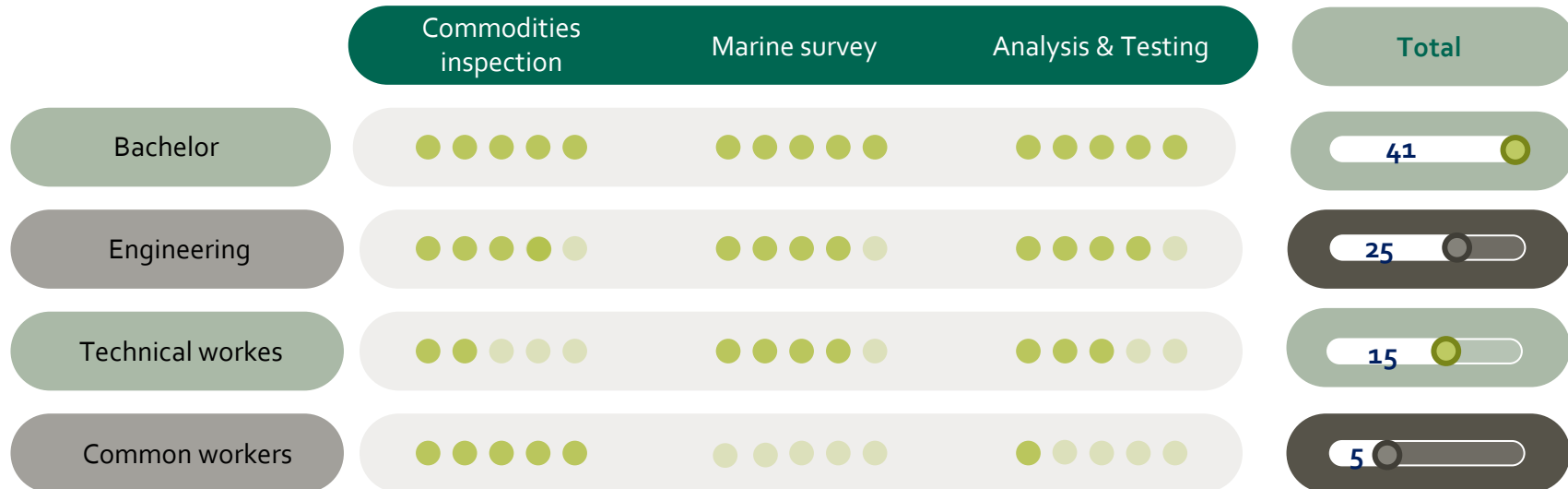
Ghi chú/Note:

- ASTM: American Society for Testing and Materials
- ISO: International Organization for Standardization



SURVEYORS BACKGROUND

Learn, learn more, learn forever
Practice makes perfect!



ProQC Vietnam Surveyors and **Analysts** have been well trained in the specialty universities as well internal training by experienced Surveyors / Analysts. Some of us have worked on the vessel as Crews, Chief Engineers, Chief Officers and Master who have rich experience in marine surveys.

Hence, We are here beside you with our best ability and knowledge to provide **best survey services** to you, our Clients



LIST OF MACHINERIES AND EQUIPMENT

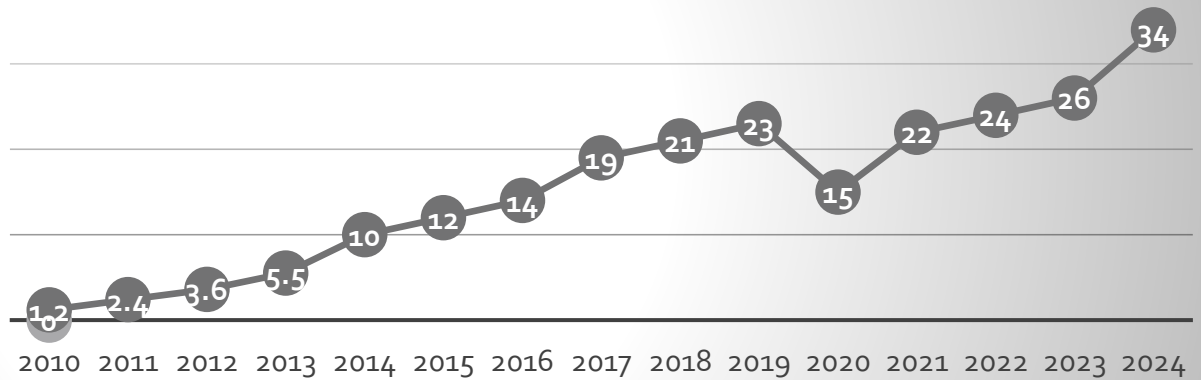
Equipment	Manufacturer	Model	Calibrated
Shellab Ovens	Shellab	FX 14-2 / SM028-2	✓
Themometers	KIMO Fr.	TK100S	✓
XU 490 – Evetus Ovens	France	XU 490	✓
Nitrogen Oven	CKIC	5E-MIN6150	✓
Precision Balances	Ohaus – USA	PA 4102 / PR 124	✓
Analytical Balances	Sartorius – Germany	Entris 224i-1s	✓
Calibrated weight F1	Vietnam	Hình trụ	✓
Hydrometer Zeal	England	D415; D4040	✓
Dipping Tape 30m	Nihon Doki - Japan	STT - 30	✓
Tape 3m; 4,5m; 6m for barge	Vietnam	Folding type 30cm	✓
Digital Capliper	Mitutoyo – Japan	CD-6"ASX	✓
Calorimeter Bom	Parr – USA	6200 EF	✓
Sulphur, Hydro, carbon analyzers	Eltra – Germany	CHS 580	✓
Oven	Nabertherm – Germany	LVT 15/11/B410	✓
Oven	Carbolite – Uk	VMF 10/6	✓
Grinders	CKIC	5E-HCB250×360	✓
Fines Grinders	CKIC	PCM3x100	✓
Sample deviders	CKIC	5E-MRA1/8	✓



PROQC VIETNAM'S ACHIEVEMENT

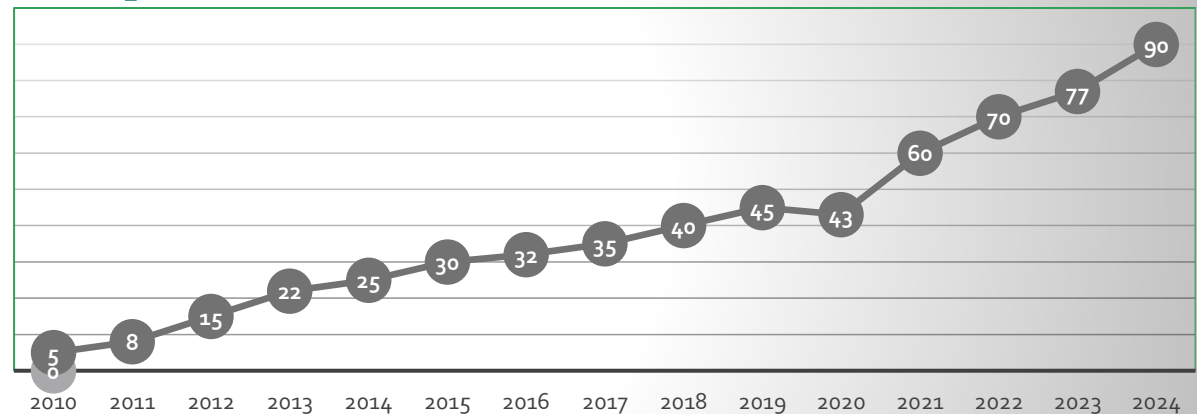
It is our honor that from 2 or 3 clients from the beginning, upto now many local Clients and Oversea shipping companies are using ProQC Vietnam services.

Turnover



With a stable number of good skilled and competent human resources, ProQC Vietnam has meet almost the requirement in all main ports of Vietnam and Thailand.

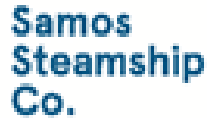
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Thank You