

# MEKONGCERT CERTIFICATION AND INSPECTION JOINT STOCK COMPANY



## COMPANY PROFILE

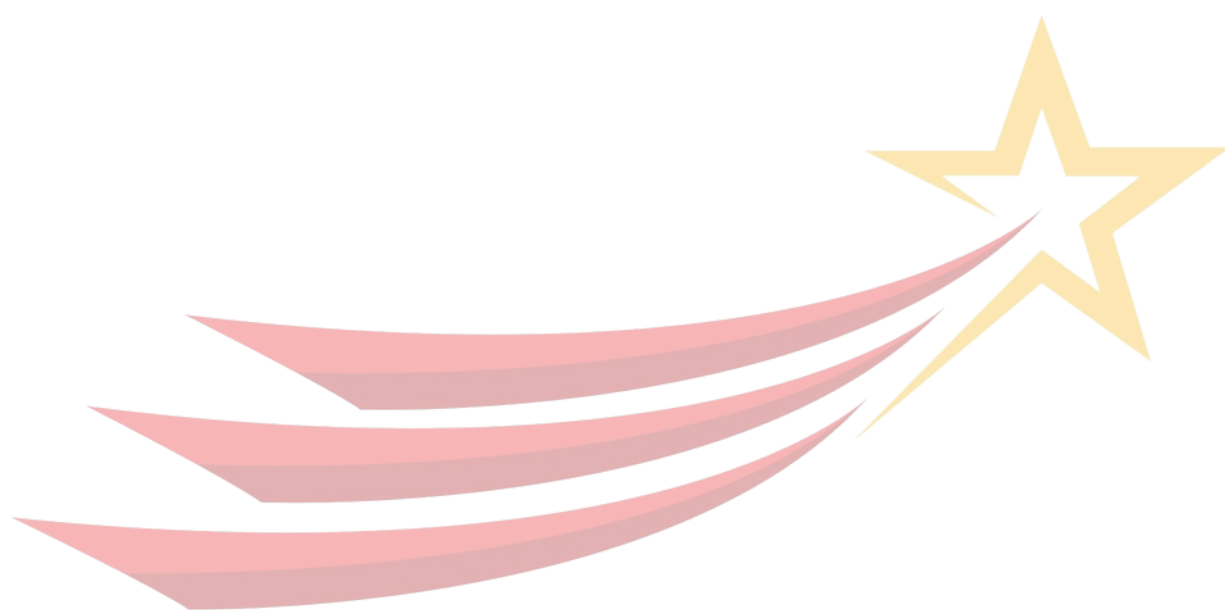


**Assoc. Prof. Dr TRẦN KIM TÍNH**  
**General Director**

☎ 0913 666 243

✉ [tkinh@ctu.edu.vn](mailto:tkinh@ctu.edu.vn)

- No. 10B, Street No. 9, Hong Phat Residential Area, An Binh Ward, Can Tho City
- [www.mekongcert.vn](http://www.mekongcert.vn)
- (+84) 2922 24 55 99
- [mekongcert.sale@gmail.com](mailto:mekongcert.sale@gmail.com)



**MEKONG CERT**  
SỨ MỆNH & PHÁT TRIỂN

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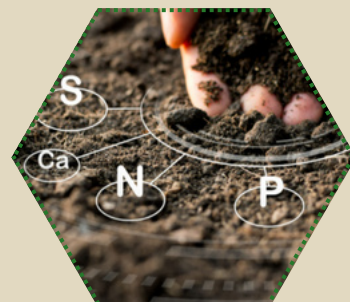
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# ABOUT US



**MEKONGCERT CERTIFICATION AND INSPECTION JOINT STOCK COMPANY** (hereinafter referred to as MekongCert) was established on October 3, 2023, under Business Registration Certificate No. 1801752042 issued by the Department of Planning and Investment of Can Tho City.

Equipped with modern facilities for analysis, testing, inspection, and certification, and backed by a team of well-trained, experienced technical staff, MekongCert is fully capable of delivering services in accordance with its designated functions and responsibilities.

MekongCert is committed to providing reliable and professional technical services, guided by our quality policy:

**“ACCURACY – OBJECTIVITY – TIMELINESS – RELIABILITY”**



# COMPANY INFORMATION

- **Company name**

**MEKONGCERT CERTIFICATION AND INSPECTION  
JOINT STOCK COMPANY**

- **Head office address:** No. 10B, Street No. 9, Hong Phat Residential Area, An Binh Ward, Can Tho City
- **General Director:** Trần Kim Tính
- **Phone:** (+84) 02922 24 55 99
- **Hotline:** (+84) 0913 666 243
- **Email:** mekongcert.sale@gmail.com
- **Website:** www.mekongcert.vn
- **Tax code:** 1801752042

# VISION, MISSION, CORE VALUES



## VISION

Driven by a strong commitment to service, MekongCert Certification and Inspection Joint Stock Company strives to become one of the most reputable organizations in the Mekong Delta in the fields of Certification and Inspection. By 2030, our goal is to rank among the leading companies in Vietnam and expand our reach to the global market.



## MISSION

For a **GREENER** environment and **SUSTAINABLE** development.



## CORE VALUES

**Integrity:** We uphold honesty and transparency in all our conduct and transactions.

**Responsibility:** MekongCert recognizes its responsibility to both society and the environment.

**Sustainability:** We are committed to sustainable operations and to supporting sustainable agricultural development.

**Innovation:** MekongCert is committed to continuous learning and innovation to operate efficiently and exceed client expectations.



# FUNCTIONS & RESPONSIBILITIES

01

Inspection and assessment of environmental quality for products, goods, and services, in compliance with technical standards, regulations, and other relevant legal requirements, as designated by competent regulatory authorities and upon request from organizations, businesses, and individuals.

02

Certification of product quality and environmental compliance for products and goods, in accordance with relevant standards, technical regulations, and applicable procedures under current legislation.

03

Testing of product quality, safety, and environmental impact, including sampling, monitoring, and analysis of environmental indicators

04

Professional training and capacity building in the following areas: quality control technicians for products and goods, laboratory and inspection technicians, testing methodologies, and other specialized training upon request of organizations or individuals and in accordance with applicable regulations.

05

Entering into and executing economic contracts related to scientific and technological tasks, services, production, and technology transfer within the company's capabilities, with domestic and international partners, in compliance with applicable domestic and international regulations

06

Forming partnerships, joint ventures, and alliances with domestic and international organizations to provide services, carry out production, and transfer technology in accordance with the company's business scope and legal regulations.

07

Collaborating with governmental agencies, institutes, and universities in the implementation of scientific programs, projects, and research topics within our capacity.

08

Supporting laboratories in improving the quality of their testing processes. Cooperating with international organizations to conduct research in the fields of environment and agriculture, and to participate in scientific research initiatives.

***MekongCert affirms its full capability to meet all requirements from esteemed organizations and enterprises.***

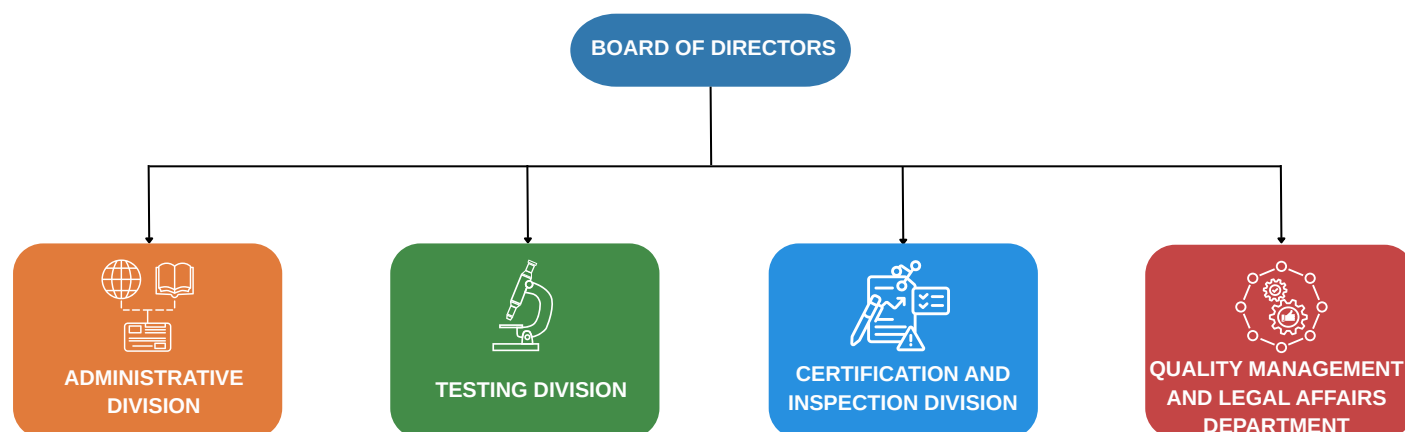
# CERTIFICATE OF CONFORMITY

MekongCert has been accredited by the Directorate for Standards, Metrology and Quality (STAMEQ) – Ministry of Science and Technology, with the ISO/IEC 17025:2017 accreditation certificate, VILAS 1571.





# ORGANIZATIONAL STRUCTURE



## BOARD OF DIRECTORS

### CHAIRMAN OF THE BOARD

**MR. HỨA HỒNG HẢI**

### GENERAL DIRECTOR

Agricultural Engineer (Can Tho University), Master of Soil and Water Science (Netherlands), PhD in Soil Chemistry (Sweden), specialized in soil and crop chemical analysis at Wageningen University, Netherlands.

### ASSOC. PROF. DR. TRẦN KIM TÍNH

- Over 40 years of research in soil and agriculture (especially acid sulfate soils), fertilizers, etc.
- More than 20 years as Head of Advanced Laboratory at Can Tho University.
- Expert in analytical techniques for reducing greenhouse gas emissions in agriculture.
- Former Executive Committee Member of the Vietnam Society for Analytical Chemistry and Fertilizers.
- Former coordinator for VH-10 Program (Netherlands), MHO (Netherlands), SAREC (Sweden).
- Former coordinator for rural development program in Laos.

### SHAREHOLDER

**ENG. NGÔ VĂN HIỀN**

### DEPUTY HR DIRECTOR

**MR. ĐÌNH THANH PHONG**

# ORGANIZATIONAL STRUCTURE

## KEY PERSONNEL

### MASTER NGUYỄN QUỐC TRỤ

Master in Physical and Theoretical Chemistry

- Over 20 years specializing in chemical analysis techniques and spectroscopy, data processing.
- Specialist in physicochemical and environmental parameter analysis.
- Expert in developing Laboratory Management Systems according to ISO 17025.

### MASTER VÕ THỊ PHƯƠNG THẢO

Master in Food Technology

- More than 20 years specializing in chromatography and microbiological analysis, data processing.
- Specialist in organic chemical analysis.
- Expert in developing Laboratory Management Systems according to ISO 17025.

### ENGINEER LÝ THỊ KIM LAN

Agricultural Engineer

- Over 20 years specializing in chemical analysis techniques.
- Specialist in inorganic chemical analysis.
- Laboratory experiment coordinator.

### MASTER DƯƠNG THỊ NGỌC HẠNH

Master in Food Technology

- Over 15 years specializing in chromatography analysis and data processing.
- Specialist in organic chemical analysis.
- Specialist in greenhouse gas emission analysis.

### MR VÕ VĂN LAN

- Head of the Supervisory Board.

### MS. TRẦN THỊ MỸ HUYỀN

Bachelor in Biotechnology

- Quality control technician.
- 1 year of experience in the laboratory of the Institute of Biotechnology.

# ORGANIZATIONAL STRUCTURE

## KEY PERSONNEL

### MS. PHẠM THỊ NGỌC TRINH

Bachelor in Pharmaceutical  
Chemistry

- Quality control technician.
- Experienced in the extraction and analysis of organic compounds in a physical chemistry laboratory.

### MS. NGUYỄN HỒNG YẾN

Bachelor in Pharmaceutical  
Chemistry

- Quality control technician.
- Experienced in the extraction and analysis of organic compounds in a physical chemistry laboratory.

### MS. TRẦN THỊ KIM PHẦN

Bachelor in Law

- Over 5 years of experience in general administration and human resources management

### MS. HUỖNH THỊ THANH THÙY

Engineer in Soil Science.

- 4 years of experience in technical operations, business, and experimental testing.

### MS. NGUYỄN THỊ MỸ THUẬN

Bachelor in Foreign Trade

- 2 years of experience as an Import-Export Specialist.
- Skilled in preparation and management of import-export documentation.
- 3 years of experience in business operations, human resources management, and automotive parts operation and inspection (in Japan).

### MS. LÊ KHÁNH UYÊN

Bachelor in English Studies

- Over 2 years of experience as a data entry staff.

# ORGANIZATIONAL STRUCTURE

## KEY PERSONNEL

**MS. NGUYỄN ĐÌNH MỸ NHÂN**  
Bachelor in English Studies.

- Over 1 year of experience in administrative services.

**MS. LÊ THỊ KIỀU MY**  
Bachelor in Accounting

- Over 2 years of experience in administrative and HR accounting.

**MS. NGUYỄN THỊ MỸ DUYÊN**  
Bachelor in Business Administration.

- Over 1 year of experience in customer care and client service.

**MS. ĐẶNG THỊ THU NGUYỆT**  
Bachelor in Digital Economics

- Office staff with general administrative responsibilities.

**TRẦN THỊ THỦY TIÊN**  
Bachelor of Chemistry

- Provincial Representative

**LÊ HOÀNG TƯƠI**  
Engineer in Crop Science

- Provincial Representative

**NGUYỄN MINH GIÀU**  
Engineer in Crop Science

- Provincial Representative

# AREAS OF OPERATION

## ► Inspection, assessment, and certification for the following products and goods:

- ◆ Fertilizers and fertilizer raw materials.
- ◆ Environmental sectors: soil, water, air.
- ◆ Agricultural products and food.
- ◆ Specialized in arranging experiments, designing and developing cultivation procedures, sampling, and measuring greenhouse gas emissions (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O) in agriculture, aiming towards Carbon Credit development.
- ◆ Conducting and arranging experiments.
- ◆ Collaborating with partners to develop appropriate analytical methods.

## ► MekongCert's training services are characterized by:

- ◆ Consistent, professional training and guidance techniques that are continuously updated.
- ◆ Training programs and guidance specifically designed to meet the unique requirements of each client.
- ◆ Instructors and experts with relevant professional qualifications aligned with the training and guidance fields.
- ◆ Training focused on the application, maintenance, and improvement of management systems and tools to enhance productivity and quality in a flexible, effective manner, with integration potential into other existing management systems of organizations and enterprises.
- ◆ Training and guidance closely linked to practical exercises, based on solving real-world situations to improve trainees' ability to apply knowledge in practice.





# MAIN EQUIPMENT



*MekongCert invests in modern, specialized equipment with high precision to ensure accurate and timely analysis that meets quality requirements.*



Shimadzu AA-7000, 7800 Atomic Absorption Spectrophotometer



UV - VIS Spectrophotometer



Gas Chromatography System  
(GC System)



Xevo TQ-S micro UPLC -  
Triple Quadrupole Mass  
Spectrometer

# MAIN EQUIPMENT



Hitachi ZA3000 Atomic Absorption Spectrophotometer



Elma Ultrasonic Bath



Jenway Flame Photometer



Rotary Vacuum Evaporator

# MAIN EQUIPMENT



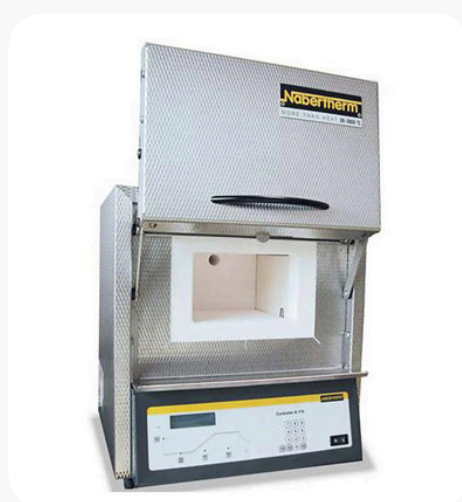
Centrifuge



Kjeldahl Distillation System  
(for Nitrogen/Protein Analysis)



Drying Oven



Muffle Furnace

# LIST OF TESTS



## AGRICULTURAL AND FOOD PRODUCTS

No.	PRODUCT	TEST NAME	TEST METHOD
1	Food (fruits, vegetables, meat, fish, seafood, etc.)	Determination of Cadmium content using GF-AAS	TCVN 10643:2014
2	Food (fruits, vegetables, meat, fish, seafood, etc.)	Determination of Auramine O content by UPLC-MS-MS	HD 7.2-02/MKC02Fo
3	Food (fruits, vegetables, meat, fish, seafood, etc.)	Determination of Carbendazim content by UPLC-MS-MS	HD 7.2-02/MKC03Fo
4	Coffee	Determination of moisture & volatile matter (drying method)	ISO 11294:1994
	Tea		TCVN 5613:2007 (ISO 1573:1980)
	Sugar		TCVN 6332:2010
	Cereals & cereal products		ISO 712:2009
	Meat & meat products		TCVN 8135:2009
	Milk, condensed milk, cream		TCVN 8082:2013
	Rice		ISO 712:2009
	Shrimp crackers		TCVN 5932:1995
	Oilseeds		TCVN 8949:2011
	Candy		TCVN 4069:2009
	Milk & similar products		IS 16072:2012
	Animal & vegetable oils and fats		TCVN 6120:2018
5	Milk, condensed milk, cream	Determination of total solids content	TCVN 8082:2013
	Ice cream & milk ices		TCVN 9046:2012 (ISO 3728:2004)
6	Milk powder & related products	Determination of fat content	TCVN 7078:2010
	Sweetened condensed milk		TCVN 8109:2009 (ISO 1737:2008)
	Cheese & processed cheese products		TCVN 8181:2009 (ISO 1735:2004)
	Seafood & seafood products		TCVN 3703:2009
	Meat & meat products		ISO 1443:1973 (TCVN 8136:20090)
	Cereal & cereal products		TCVN 6555:2017
	Beans		TCVN 4295:2009

# LIST OF TESTS



## AGRICULTURAL AND FOOD PRODUCTS

No.	PRODUCT	TEST NAME	TEST METHOD
7	Seafood, fish sauce	Determination of total nitrogen & crude protein by Kjeldahl method	TCVN 3705:1990
	Shrimp crackers		TCVN 5932:1995
	Cereals & cereal products		TCVN 8125:2015
	Milk & milk products		TCVN 8099-1:2015
	Meat & meat products		TCVN 8134:2009
8	Food, canned food	Determination of total sugar content	Ref. TCVN 4594:1988
	Candy		Ref. TCVN 4074:2009
	Others		Phenol – Sulfuric acid Method
9	Candy	Determination of reducing sugars	Ref. TCVN 4075:2009
	Honey		Ref. TCVN 5266:1990
	Food, canned food		Ref. TCVN 4594:1988
10	Honey	Determination of sucrose content	Ref. TCVN 5269:1990
	Food, canned food		Ref. TCVN 4594:1988
11	Food, canned food	Determination of starch content	Ref. TCVN 4594:1988
	Meat & meat products		Ref. ISO 5554:1978
12	Coffee	Determination of total ash	TCVN 5253:1990
	Tea		TCVN 5611:2007 (ISO 1575:1987)
	Spices (e.g., pepper)		TCVN 7038:2002
	Seafood & products		TCVN 5105:2009
	Others		Ref. ISO 1575:1987
	Candy		TCVN 4070:2009
13	Dried seafood	Determination of HCl-insoluble ash content	TCVN 10734:2015
	Coffee		TCVN 5253:1990
	Tea		TCVN 5612:2007 (ISO 1577:1987)
	Spices (e.g., pepper)		TCVN 5484:2002



# LIST OF TESTS



## AGRICULTURAL AND FOOD PRODUCTS

No.	PRODUCT	TEST NAME	TEST METHOD
14	Tea	Determination of crude fiber content	TCVN 5714:2007
	Agricultural products, food		Ref. ISO 5498:1981
15	Fish sauce, seafood & products	Determination of salt (NaCl) content, chloride (Cl <sup>-</sup> ) converted to NaCl	TCVN 3701:2009
	Meat & meat products		Ref. ISO 1841-1:1996
	Soy sauce		TCVN 1764:2008
	Edible salt		TCVN 3973:1984
	Butter, food		Ref. TCVN 8148:2008
16	Meat & meat products	Determination of pH	TCVN 4835:2002
	Fish sauce		TCVN 5107:2018
	Cocoa products		TCVN 10728:2015
	Honey		TCVN 12398:2018
	Food		TCVN 12348:2018
17	Seafood & products	Determination of total acid content (acidity)	TCVN 3702:2009
	Milk powder		Ref. ISO 6091:2010
	Vegetables & vegetable products		TCVN 5483:2007
18	Seafood & products	Determination of ammonia nitrogen (N-NH <sub>3</sub> ) content <sup>3</sup>	TCVN 3706:1990
	Food		Ref. TCVN 3706:1990
	Raw & finished products / Aquatic feed		TCVN 10494:2014
19	Fish sauce, seafood & products	Determination of amin-ammoniac nitrogen (formol nitrogen) content	TCVN 3707:1990
	Seasoning sauce		Ref. TCVN 3707:1990
20	Fish sauce, seafood & products	Determination of amino acid nitrogen content	TCVN 3708:1990
	Seasoning sauce		Ref. TCVN 3708:1990
21	Soybean & soybean products, agricultural products	Determination of KOH-soluble protein content (0.2% KOH) – Kjeldahl method	TCVN 8799:2011
22	Seafood	Qualitative and semi-quantitative detection of Borax	TCVN 8343:2010
	Food		TCVN 8895:2012
23	Animal & vegetable oils and fats	Determination of insoluble impurities content	TCVN 6125:2010

# LIST OF TESTS



## AGRICULTURAL AND FOOD PRODUCTS

No.	PRODUCT	TEST NAME	TEST METHOD
24	Animal & vegetable oils and fats	Determination of peroxide value	TCVN 6121:2018
25	Animal & vegetable oils and fats	Determination of iodine value	TCVN 6122:2010 / ISO 3161:2018
26	Animal & vegetable oils and fats	Determination of saponification value	TCVN 6126:2015
27	Animal & vegetable oils and fats	Determination of acid value & acidity	TCVN 6127:2010
28	Edible salt	Determination of moisture content	TCVN 3973:1984
29		Determination of iodine content	TCVN 6341:1998
30		Xác định HL Canxi (Ca) Determination of calcium (Ca) content	Flame – AAS Method Ref. TCVN 3973:1984
31		Determination of magnesium (Mg) content	Flame – AAS Method Ref. TCVN 3973:1984
32		Determination of potassium (K) content	Flame – AAS Method Ref. TCVN 3973:1984
33		Determination of sulfate ( $\text{SO}_4^{2-}$ ) content	TCVN 3973:1984
34		Determination of chloride ( $\text{Cl}^-$ ) content	TCVN 3973:1984
35		Determination of water-insoluble impurities	TCVN 3973:1984
36		Indirect determination of NaCl via cation and anion analysis ( $\text{Ca}^{2+}$ , $\text{Mg}^{2+}$ , $\text{K}^+$ , $\text{SO}_4^{2-}$ )	TCVN 3973:1984
37	Meat & meat products	Determination of nitrite ( $\text{NO}_2^-$ ) content	TCVN 7992:2009
38		Determination of phosphorus (P) content	TCVN 8141:2009
39	Food, health supplements, animal feed	Determination of calcium (Ca) content	TCVN 10916:2015
40		Determination of copper (Cu) content	TCVN 10916:2015
41		Determination of iron (Fe) content	TCVN 10916:2015
42		Determination of potassium (K) content	TCVN 10916:2015
43		Determination of magnesium (Mg) content	TCVN 10916:2015
44		Determination of manganese (Mn) content	TCVN 10916:2015
45		Determination of zinc (Zn) content	TCVN 10916:2015

# LIST OF TESTS



## FERTILIZERS

No.	PRODUCT	TEST NAME	TEST METHOD
1	Urea Fertilizer	Moisture Content	TCVN 2620:2014
	DAP Fertilizer		TCVN 8856:2018
	NPK Compound Fertilizer		TCVN 5815:2018
	Solid Compound Fertilizer		TCVN 9297:2012
2	Fertilizers except those containing N-NO <sub>3</sub>	Determination of Total Nitrogen Content	TCVN 8557:2010
3	NPK Compound Fertilizer		TCVN 5815:2018
4	Fertilizers in Nitrate form		TCVN 10682:2015
5	Fluxed Phosphate Fertilizer	Determination of Available Phosphorus (P <sub>2</sub> O <sub>5</sub> )	TCVN 1078:2018
6	Superphosphate Fertilizer		TCVN 4440:2018
7	NPK Compound Fertilizer		TCVN 5815:2018
8	Fertilizer Compound except Fluxed Phosphate and Superphosphate		TCVN 8559:2010
9	Various Fertilizers	Determination of Available K <sub>2</sub> O Content	TCVN 8560:2018
10		Determination of Soluble K <sub>2</sub> O Content	TCVN 5815:2001
11		Determination of Total Calcium (CaO) Content (Ca > 5%) - Titration Method	TCVN 12598:2018
12		Determination of Total Calcium (CaO) Content - AAS Method	TCVN 9284:2018
13		Determination of Total Magnesium (MgO) Content (Mg > 5%) - Titration Method	TCVN 12598:2018
14		Determination of Total Magnesium (MgO) Content - AAS Method	TCVN 9285:2018
15		Determination of Sulfur (S) Content	TCVN 9296:2012
16		Determination of Organic Matter Content	TCVN 9294:2012
17		Determination of Humic Acid (HA) and Fulvic Acid (FA)	TCVN 8561:2010
18		Free Acid Content (calculated as H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub> , P <sub>2</sub> O <sub>5</sub> )	TCVN 9292:2019
19		Determination of C/N Ratio	C: TCVN 9294:2012 N: TCVN 8557:2010

# LIST OF TESTS



## FERTILIZERS

No.	PRODUCT	TEST NAME	TEST METHOD
20	Various Fertilizers	Determination of Iron (Fe) Content	TCVN 9283:2018
21		Determination of Copper (Cu) Content	TCVN 9286:2018
22		Determination of Zinc (Zn) Content	TCVN 9289:2012
23		Determination of Manganese (Mn) Content	TCVN 9288:2012
24		Determination of Cobalt (Co) Content	TCVN 9288:2012
25		Determination of Lead (Pb) Content	TCVN 9290:2012 PP Flame-AAS
26		Determination of Cadimi (Cd) Content	TCVN 9291:2018 PP Flame-AAS



## Environmental Field: Soil

STT	PRODUCT	TEST NAME	TEST METHOD
1	Soil	Determination of Moisture Content and Drying Coefficient	TCVN 4048:2011
2		Mechanical Composition (Particle Size)	Pipette Method (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 8567:2010)
3		Bulk Density	TCVN 6860:2001
4		Specific Gravity (Density)	TCVN 11399:2016
5		Porosity	TCVN 11399:2016
6		pH	Water Extraction at 1:5 Ratio (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 5979:1995)
			KCl Extraction at 1:5 Ratio (Ref. Procedures for Soil Analysis ISRIC-FAO)
			Saturation Extraction (Ref. Procedures for Soil Analysis ISRIC-FAO)
7		Electrical Conductivity (EC)	Water Extraction at 1:5 Ratio (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 6650:2000)
			Saturation Extraction (Ref. Procedures for Soil Analysis ISRIC-FAO)

# LIST OF TESTS



## Environmental Field: Soil

No.	PRODUCT	TEST NAME	TEST METHOD
8	Soil	Determination of Organic Matter Content (OM)	Walkley-Black Method (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 6644:2000)
9		Determination of Cation Exchange Capacity (CEC)	BaCl2 0.1M Extraction, Unbuffered (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 6640:2000)
			BaCl2 - Triethanolamine Buffered at pH 8.1
			Ammonium Acetate 1N Buffered at pH 7 (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 8569:2010)
10		Determination of Exchangeable Acidity & Exchangeable Aluminum (Al)	TCVN 4403:2011
11		Determination of Total Nitrogen (N) Content	Kjeldahl Method (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 6498:1999)
12		Determination of Total Nitrogen (N) Content	TCVN 5255:2009
13		Determination of Total Phosphorus (P) Content	TCVN 8940:2011
14		Determination of Available Phosphorus (P)	Olsen Method (TCVN 8661:2011)
			Bray II Method (TCVN 8942:2011)
			Mehlich 3 Method (Ref. Soil Sampling & Methods of Analysis - Canadian Society of Soil Science - 2008)
			0.05M H2SO4 Extraction (TCVN 5256:2009)
15		Determination of Total Potassium (K) Content	TCVN 8660:2011
16		Determination of Available Potassium (K) Content	Ammonium Acetate 1N Extraction, pH = 7 (TCVN 8662:2011)
17		Determination of Exchangeable Cations (K+, Na+, Ca2+, Mg2+)	BaCl2 0.1M Extraction (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 6640:2000)
			Ammonium Acetate 1N Buffered at pH 7 (Ref. Procedures for Soil Analysis ISRIC-FAO or TCVN 8569:2010)



# LIST OF TESTS



## Environmental Field: Soil

No.	PRODUCT	TEST NAME	TEST METHOD
17	Soil		Saturation Extraction (Ref. Procedures for Soil Analysis ISRIC-FAO)
			Mehlich 3 Method (Ref. Soil Sampling & Methods of Analysis - Canadian Society of Soil Science - 2008)
18		Determination of Exchangeable Bases Total	TCVN 4621:2009
19		Determination of Mobile Elements Content: Cu, Zn, Mn, Fe	Mehlich 3 Method (Ref. Soil Sampling & Methods of Analysis - Canadian Society of Soil Science - 2008)
20		Determination of Total Metal Content (Cd, Pb, Cu, Zn, Mn, Ni, Co)	Acid Digestion Extraction (TCVN 6496:2009)
21		Soil Respiration Measurement	CO <sub>2</sub> Emission Monitoring
22		Guidelines for Maintaining Soil Health	
23	<b>Other Detailed Indicators and Parameters</b>		<b>Please contact us directly for detailed consultation by experts specializing in soil and environmental research.</b>



## ENVIRONMENTAL FIELD: WATER AND WASTEWATER

No.	PRODUCT	TEST NAME	TEST METHOD
1	Water	Color	TCVN 6185:2015 or SMEWW 2120
2		Odor	Sensory, SMEWW 2150B & 2160B
3		Turbidity	TCVN 6184:2008 or SMEWW 2130B
4	Water, Wastewater	pH	TCVN 6492:2011/ SMEWW 4500H+
5		Electrical Conductivity (EC)	SMEWW 2510
6		Determination of Total Alkalinity & Composite Alkalinity	TCVN 6636-1:2000/SMEWW 2320
7		Determination of Carbonate Alkalinity	TCVN 6636-2:2000

# LIST OF TESTS



## ENVIRONMENTAL FIELD: WATER AND WASTEWATER

No.	PRODUCT	TEST NAME	METHOD
8	Water, Wastewater	Determination of Dissolved Oxygen (DO)	TCVN 7324:2004 / SMEWW 4500-O B (Iodine Method)
9		Determination of Biological Oxygen Demand (BOD)	TCVN 6001-1,2:2008/SMEWW 5210 B
10		Determination of Chemical Oxygen Demand (COD)	TCVN 6491:1999 / SMEWW 5220 C
11		Determination of Permanganate Index	TCVN 6186:1996
12		Determination of Total Solids (TS)	SMEWW 2540 B
13		Determination of Total Dissolved Solids (TDS)	SMEWW 2540 C
14		Determination of Total Suspended Solids (TSS)	SMEWW 2540 D
15		Determination of Total Organic Carbon (TOC) & Dissolved Organic Carbon (DOC)	TCVN 6634:2000/SMEWW 5310 B
16		Determination of Total Nitrogen (N) Content	TCVN 6638:2000 (Inorganic digestion with H <sub>2</sub> SO <sub>4</sub> , Devarda catalyst)
17		Determination of Ammonium (NH <sub>4</sub> <sup>+</sup> ) Content	4500 NH <sub>4</sub> <sup>+</sup> G/US. EPA 350.1 – Phenate method
18		Determination of Nitrate (NO <sub>3</sub> <sup>-</sup> ) Content	TCVN 6180:1996 – Spectrophotometric Method using Sulfosalicylic acid; SMEWW 4500-NO <sub>3</sub> <sup>-</sup> E – Cadmium Reduction Method
19		Determination of Nitrite (NO <sub>2</sub> <sup>-</sup> ) Content	TCVN 6178:1996/SMEWW 4500 NO
20		Determination of Total Phosphorus (P) Content	TCVN 6202:2008/ SMEWW 4500 P J
21		Determination of Ortho-Phosphate Content	SMEWW 4500 P E – Ascorbic acid method
22		Determination of Sulfate (SO <sub>4</sub> <sup>2-</sup> ) Content	SMEWW 4500 SO <sub>4</sub> <sup>2-</sup> E – Turbidimetric method
23		Determination of Sulfide (S <sub>2</sub> <sup>-</sup> ) Content	SMEWW 4500 S F – Iodometric method
24		Determination of Residual and Total Chlorine	- TCVN 6225-2:2012 – Colorimetric Method using N, N-Diethyl-1,4-phenylenediamine; - TCVN 6225-3:1996 – Iodometric Titration Method
25		Determination of Chloride (Cl <sup>-</sup> ) Content	TCVN 6194:1996 – Silver Nitrate (AgNO <sub>3</sub> ) Titration Method

# LIST OF TESTS



## ENVIRONMENTAL FIELD: WATER AND WASTEWATER

No.	PRODUCT	TEST NAME	METHOD
26	Water, Wastewater	Determination of Metals Content: Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Zn	SMEWW 3111 B& 3030 F
27		Determination of Mercury (Hg) Content	TCVN 7877:2008/ SMEWW 3112 B



## ANIMAL FEED AND AQUATIC FEED

No.	PRODUCT	TEST NAME	PHƯƠNG PHÁP THỬ
1	Animal Feed, Aquatic Feed	Determination of Moisture & Other Volatile Matter Content	TCVN 4326:2001
2		Determination of Crude Ash Content	TCVN 4327:2007
3		Determination of Ash Insoluble in HCl	TCVN 9474:2012
4		Determination of Soluble Chloride in Water (NaCl – Salt)	TCVN 4806-1:2018 – Titration Method
5		Determination of Fat Content	TCVN 4331:2001 / ISO6492:1999
6		Determination of Nitrogen & Crude Protein Content	TCVN 4328-1:2007 – PP Kjeldahl
7		Determination of Nitrogen – Ammonia (NH <sub>3</sub> ) Content	TCVN 10494:2014
8		Determination of Phosphorus (P) Content	TCVN 1525:2001
9		Determination of Crude Fiber Content	TCVN 4329:2007
10		Determination of Calcium (Ca) Content	TCVN 1537:2007 – Flame AAS Method
11		Determination of Magnesium (Mg) Content	TCVN 1537:2007 – Flame AAS Method
12		Determination of Sodium (Na) Content	TCVN 1537:2007 – Flame AAS Method
13		Determination of Potassium (K) Content	TCVN 1537:2007 – Flame AAS Method
14		Determination of Copper (Cu) Content	TCVN 1537:2007 – Flame AAS Method
15		Determination of Iron (Fe) Content	TCVN 1537:2007 – Flame AAS Method
16		Determination of Manganese (Mn) Content	TCVN 1537:2007 – Flame AAS Method
17		Determination of Zinc (Zn) Content	TCVN 1537:2007 – Flame AAS Method

# CONTACT



**No. 10B, Street No. 9, Hong Phat Residential Area,  
An Binh Ward, Can Tho City**



**[www.mekongcert.vn](http://www.mekongcert.vn)**



**[mekongcert.sale@gmail.com](mailto:mekongcert.sale@gmail.com)**



**02922 24 55 99**

