

# تصنيع Tasnee

شركة تصنيع لحلول المياه ش م م  
Tasnee Water Solutions Company LLC



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PIONEERING  
PURITY,  
ENGINEERED IN  
OMAN



## WHO WE ARE!

Tasnee Water Solutions Company LLC, a trailblazing industrial leader based in the sultanate of Oman, specializes in cutting-edge water treatment solutions. As the first entity in the middle east to manufacture reverse osmosis (RO) membranes, we operate state-of-the-art, fully automated facility. Our innovative desalination technologies position us at the forefront of tackling the region's critical water scarcity challenges.

Founded on a strong commitment to excellence and sustainability, Tasnee metal is devoted to producing premium quality water purification membranes that provide clean, reliable, and sustainable water solutions across diverse applications. In 2018, Dr. Salim Abdulla and founders envisioned creating a "MADE IN OMAN" brand for membrane technology. Despite encountering numerous challenges during the early stages of development, their steadfast dedication and relentless efforts have propelled Tasnee to new heights. Their aspiration to contribute sustainable solutions to the middle east has been the driving force behind the company's success, positioning Oman as a leader in cutting-edge water treatment technologies.



## MISSION

To provide innovative, sustainable, and high-quality water treatment solutions through the manufacturing of world-class Reverse Osmosis membranes, ensuring access to clean and reliable water for communities, industries, and ecosystems across the Middle East and beyond."

## VISION

To lead the global water treatment industry with cutting-edge desalination technologies, positioning Oman as a hub for sustainable water solutions and contributing to a water-secure future for the region



# CORE VALUES

**Expertise:**  
Leverage knowledge  
in semipermeable  
membrane processes

**Quality:**  
Ensure  
removal of  
contaminants

**Customer-Centric:**  
Prioritize exceptional  
service and support

**Sustainability:**  
Commitment to  
environmentally  
responsible solutions

**Innovation:**  
Continuously  
improve and innovate  
membrane technology



## Product Description:

### Reverse Osmosis (RO) Membrane: A Pioneering Water Purification Solution

Introducing our state-of-the-art Reverse Osmosis (RO) membrane, a revolutionary water purification system engineered to deliver pristine drinking water for residential, commercial, and industrial applications. Leveraging pioneering membrane technology, our RO membrane boasts an unparalleled contaminant removal efficiency of high purification encompassing:

## What Sets Us Apart:

### Exceptional Performance:

High purification, contaminant removal, durable membrane material, and compact design for versatile applications.

## How it Works:

- The Reverse Osmosis membrane module facilitates a precise and efficient water purification process, wherein:
- Influx: Water enters the RO membrane module, initiating the purification sequence.
- Pressurization: Hydraulic pressure drives the water through the membrane's microscopic pores, measuring merely 0.0001 microns in diameter.
- Selective Permeation: The semi-permeable membrane allows water molecules to pass through, while rejecting impurities and contaminants due to their larger molecular size.
- Rejection and Removal: The rejected impurities are efficiently flushed away, preventing accumulation and ensuring optimal membrane performance.
- Permeate: The purified water, now free from contaminants, emerges from the membrane.

## Reverse Osmosis (RO) Membrane Technology

Our cutting-edge Reverse Osmosis membranes leverage advanced Thin-Film Composite (TFC) technology, showcasing exceptional performance characteristics:

### Key Features

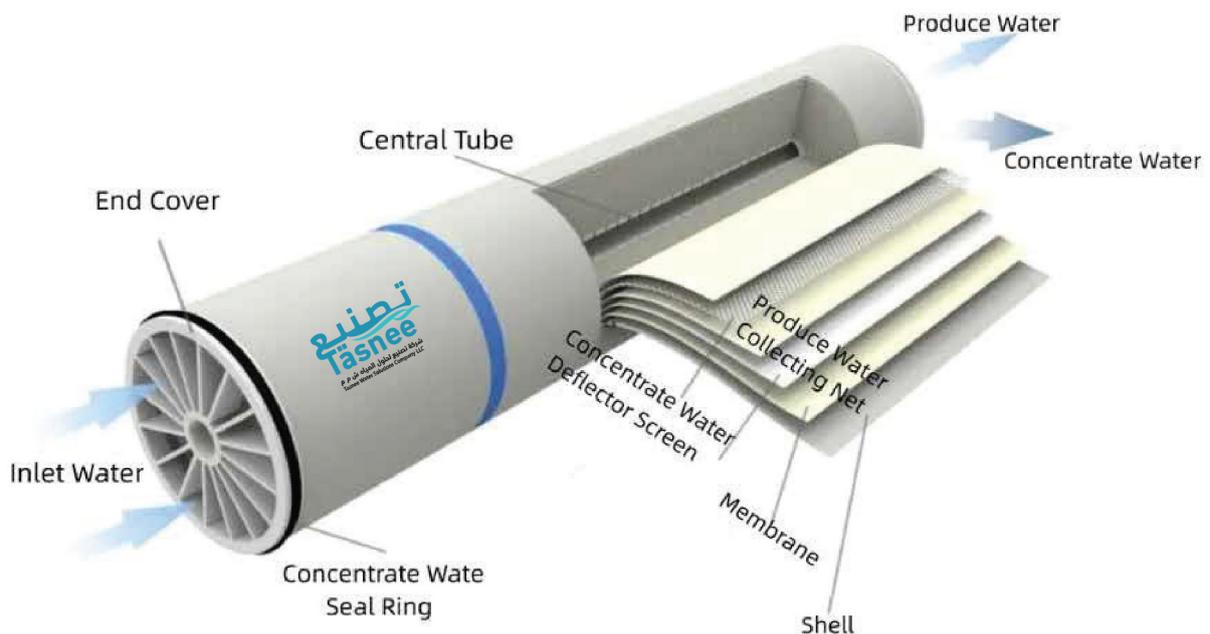
- High flux rates for enhanced water productivity
- Low energy consumption for reduced operational costs
- Impressive up to 99.7% rejection rate of dissolved solids

### Membrane Architecture

- Durable polyamide thin-film layer for optimal selectivity
- Polyester support layer for added strength and stability
- Antifouling surface treatment for minimized membrane fouling

### Proprietary Technologies

- Enhanced Flux Technology (EFT): Boosts membrane productivity
- Low-Energy Consumption (LEC) design: Minimizes energy requirements
- Advanced Membrane Rejuvenation (AMR): Extends membrane lifespan



## Applications and **Commercial Use**

Our Reverse Osmosis (RO) membranes are ideal for various commercial settings, providing a reliable and efficient water purification solution:

### Institution and Apartment

- Ensures clean drinking water for customers
- Reduces contaminants affecting food and beverage quality
- Increases equipment lifespan (e.g., coffee machines, ice makers)
- Supports health and hygiene standards

### Hotels and Hospitality:

- Provides clean drinking water for guests and staff
- Enhances guest experience and satisfaction
- Reduces maintenance and replacement costs for equipment
- Supports health and hygiene standards

### Offices and Buildings:

- Offers clean drinking water for employees
- Increases productivity and well-being
- Reduces absenteeism due to waterborne illnesses
- Supports health and hygiene standards



## Applications and Industrial Use

Our Reverse Osmosis (RO) membranes play a crucial role in various large-scale industrial processes:

### Desalination

- Efficient seawater desalination for municipalities and industries, with high salt rejection and reduced energy consumption.

### Oil and Gas

- Process water treatment for oil and gas production, removing contaminants and protecting equipment from corrosion.

### Municipal Water

- Potable water production for cities and communities, ensuring compliance with drinking water regulations and minimizing energy costs.

### Pharmaceuticals

- Purified water production for manufacturing and research, meeting regulatory requirements (USP, EP, JP) and reducing contamination risk.



## Efficiency: Unparalleled Water Quality

- High rejection rate: up to 99.7% removal of dissolved solids, bacteria, viruses, and other impurities
- Improved water quality: meets or exceeds international standards
- Advanced membrane technology: optimized for efficient water purification
- Consistent performance: reliable and stable water quality

## Longevity: Durable and Resilient

- Long lifespan: up to 3-5 years (depending on operating conditions)
- Durability: resistant to extreme water conditions (temperature, pH, pressure)
- Tested in all extreme site conditions: proven performance in harsh environments
- Low maintenance: easy to clean and maintain, reducing replacement costs

## Membrane variants to suit requirements

- High rejection model: optimized for high-contaminant water sources
- High flow model: designed for large-scale water purification needs
- Seawater membranes: specialized for desalination applications
- Brackish water membranes: suitable for treating brackish water sources
- Customizable models: tailored to specific customer requirements

## Customer Requirement: Tailored Solutions

- Feed water-specific designs: tailored to your unique water source
- Flexible membrane configurations: optimized for your specific application
- Bespoke solutions: leveraging our in-house production line for customized products
- Material selection: choice of materials to suit your requirements





**CERTIFIED ISO 45001:2018 COMPANY**

**CERTIFICATE**

*This is to certify that the Occupational Health and Safety Management System of*

**TASNEE WATER SOLUTIONS COMPANY LLC**  
CR Number: 1321054  
P.O. Box 2861, P.C – 130, Muscat, Sultanate of Oman

*has been assessed and found to conform to the requirements of*  
**ISO 45001:2018**  
*This Certificate is valid for the following scope*

**MANUFACTURING, EXPORT AND TRADING OF REVERSE OSMOSIS MEMBRANE, WATER TREATMENT PROJECTS AND SERVICES**

Certificate No.	:AMER21653	
Registration Date	:19/10/2024	
Issue Date	:23/10/2024	
Expiry Date	:18/10/2027	
Recertification Date	:18/10/2027	

*Shameel*  
Director

**AMERICO QUALITY STANDARDS REGISTECH PVT. LTD**  
Key Location: 1910 Thomas Ave, Cheyenne, Wyoming, WY 82001, USA  
Operations Office: D 303, 104 Nisarg plaza, Bhambur chowk - Hijewadi road, Wakad, Pune-411057

For verification and updated information concerning the present certificate, please visit [www.americocert.com](http://www.americocert.com). This Certificate is valid for period of 3 years subject to satisfactory annual surveillance audit. This Certificate is the property of AMERICO Quality Standards Registech Pvt. Ltd. & shall be returned immediately when demanded.

**CERTIFIED ISO 14001:2015 COMPANY**

**CERTIFICATE**

*This is to certify that the Environmental Management System of*

**TASNEE WATER SOLUTIONS COMPANY LLC**  
CR Number: 1321054  
P.O. Box 2861, P.C – 130, Muscat, Sultanate of Oman

*has been assessed and found to conform to the requirements of*  
**ISO 14001:2015**  
*This Certificate is valid for the following scope*

**MANUFACTURING, EXPORT AND TRADING OF REVERSE OSMOSIS MEMBRANE, WATER TREATMENT PROJECTS AND SERVICES**

Certificate No.	:AMER21652	
Registration Date	:19/10/2024	
Issue Date	:23/10/2024	
Expiry Date	:18/10/2027	
Recertification Date	:18/10/2027	

*Shameel*  
Director

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**CERTIFIED ISO 10002:2018 COMPANY**

**CERTIFICATE**

*This is to certify that the*

**TASNEE WATER SOLUTIONS COMPANY LLC**  
CR Number: 1321054  
P.O. Box 2861, P.C – 130, Muscat, Sultanate of Oman

*has been assessed and found to conform to the requirements of*  
**ISO 10002:2018**  
**Quality Management — Customer Satisfaction**  
*This Certificate is valid for the following scope:*

**MANUFACTURING, EXPORT AND TRADING OF REVERSE OSMOSIS MEMBRANE, WATER TREATMENT PROJECTS AND SERVICES**

Certificate No.	:AMER21654	
Registration Date	:19/10/2024	
Issue Date	:23/10/2024	
Expiry Date	:18/10/2027	
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*Shameel*  
Director

**AMERICO QUALITY STANDARDS REGISTECH INC**  
1910 Thomas Ave, Cheyenne, Wyoming, WY 82001, USA

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**CERTIFIED ISO 9001:2015 COMPANY**

**CERTIFICATE**

*This is to certify that the Quality Management System of*

**TASNEE WATER SOLUTIONS COMPANY LLC**  
CR Number: 1321054  
P.O. Box 2861, P.C – 130, Muscat, Sultanate of Oman

*has been assessed and found to conform to the requirements of*  
**ISO 9001:2015**  
*This Certificate is valid for the following scope*

**MANUFACTURING, EXPORT AND TRADING OF REVERSE OSMOSIS MEMBRANE, WATER TREATMENT PROJECTS AND SERVICES**

Certificate No.	:AMER21651	
Registration Date	:19/10/2024	
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Expiry Date	:18/10/2027	
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Director

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**HALAL CERTIFICATE**

**حلال**  
HALAL

**AQSR**  
AMERICAN QUALITY STANDARDS REGISTER

### Certificate of Registration

**HALAL CERTIFICATE**

Certificate No. 17017

This is to certify that the Management System of  
**TASNEE WATER SOLUTIONS COMPANY LLC**  
CR Number: 1321054  
P.O. Box 2861, P.C - 130, Muscat, Sultanate of Oman

are certified  
**HALAL**  
by Islamic procedures

This Certificate is valid for the below scope of services  
**MANUFACTURING, EXPORT AND TRADING OF REVERSE OSMOSIS  
MEMBRANE, WATER TREATMENT PROJECTS AND SERVICES**

Date of Registration: 13/12/2024  
Re-certification Date: 12/12/2027

Date of Expiry: 12/12/2027  
Signed on behalf of AQSR

The certificate is valid for three years subject to satisfactory annual assessment. To check certificate authenticity, please visit [www.aqsrworld.com](http://www.aqsrworld.com)  
American Quality Standards Register, 1201 Orange Street, Suite 600, Wilmington, DE 19801, USA  
Accreditation by United States Accreditation Council (USAC) LLC - Miami, Florida, USA, Web - [www.usac-america.us](http://www.usac-america.us)



**KOSHER CERTIFICATE**

**U**  
KOSHER CERTIFICATION SERVICE

**AQSR**  
AMERICAN QUALITY STANDARDS REGISTER

### Certificate of Registration

**KOSHER CERTIFICATE**

Certificate No. 17018

I hereby confirm that I have visited the Registered Office of  
**TASNEE WATER SOLUTIONS COMPANY LLC**  
CR Number: 1321054  
located at  
P.O. Box 2861, P.C - 130, Muscat, Sultanate of Oman

**MANUFACTURING, EXPORT AND TRADING OF REVERSE OSMOSIS  
MEMBRANE, WATER TREATMENT PROJECTS AND SERVICES**

and I have conducted necessary KASHRUTH inspection into their Production / Processing /  
Ingredients / Raw Materials / CHAMETZ(LEAVEN) of their PAREVE product of:  
I hereby certify that the above product does not contain any prohibitory or Non-Kosher ingredients/  
This product complies with the LAWS of KASHRUTH and are Processed / Manufactured under  
HALALCHA REGULATIONS. No animal fats or meat bones are used in the Processing /  
Manufacturing of the above products.

This certificate is ALSO VALID FOR PASSOVER as this product has no  
"CHAMETZ(LEAVEN)" whatsoever at any stage of its Processing/ Raw Materials  
and it also complies as per "KOSHER-LE-PESACH"

Date of Registration: 13/12/2024  
Re-certification Date: 12/12/2027

Date of Expiry: 12/12/2027  
Signed by Rabbi Eldad Zamir

The certificate is valid for three years subject to satisfactory annual assessment. To check certificate authenticity, please visit [www.aqsrworld.com](http://www.aqsrworld.com)  
American Quality Standards Register, 1201 Orange Street, Suite 600, Wilmington, DE 19801, USA  
Accreditation by United States Accreditation Council (USAC) LLC - Miami, Florida, USA, Web - [www.usac-america.us](http://www.usac-america.us)



**CE**

Quality Assurance CB Address: 71-  
79 Shelton Street, Covent Garden, London,  
United Kingdom, WC2H 9JQ  
[info@eura-uk.com](mailto:info@eura-uk.com)

**EQA**  
Reg. No. 2022007

### EU CERTIFICATE OF CONFORMITY

CERTIFICAT - CERTIFICADO - CERTIFICAAT - СЕРТИФИКАТ - 証明書

1) APPLICANT: TASNEE WATER SOLUTIONS COMPANY LLC  
2) ADDRESS: P.O BOX - 2861, P.C - 130, SULTANATE OF OMAN  
3) CERTIFICATE NO.: TM250619TMC12  
FILE REFERENCE: TF\_CE\_2011\_66\_EU\_09-12-2024  
4) CAUTION ABOUT CE MARKING (instruction for the Applicant who puts the product on the EU Market):  
The label of the CE Marking on the left side should not be less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. The one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directive or regulations will be necessary to appoint a Notified Body.  
5) TYPE OF PRODUCT:  
Sea Water Reverse Osmosis Membrane, Brackish Water Reverse Osmosis Membrane  
MODEL(S) (IF ANY): See the following annex I  
6) LIST OF DIRECTIVES/ REGULATIONS /STANDARDS (as declared by the manufacturer itself):  
Marine Equipment Directive 2014/90/EU, Regulation (EU) No 305/2011, Council Directive 89/106/EEC  
7) NOTE: The applicant is aware about the contents and information included in the ModCOM04 06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website [www.eqa-uk.com](http://www.eqa-uk.com). This document is not referred to any evaluation that could be considered as included in the scope of activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.  
8) REMARK: Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use. EQA doesn't imply any assessment on the safety and compliance of the product. EQA declares that the only scope of assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.  
9) DATE OF ISSUE: 16/12/2024  
10) DATE OF EXPIRY: 16/12/2027  
11) SIGNATURE:  
(On behalf of Organization Representative)  
*William...*

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**SASO**

**SASO**

الهيئة السعودية للمواصفات والمقاييس والجودة  
Saudi Standards, Metrology and Quality Org.

**WE ARE PLEASED TO ANNOUNCE  
THAT**

**TASNEE METAL COMPANY LLC**  
has obtained the certificate of  
conformity for regulated products  
Product Name: WATER MEMBRANE  
Country of Origin: SULTANATE OF OMAN  
Certificate Number- 78640-106-25-1919101



# Household Sewage Treatment Plant (Customized STP unit for Oman & GCC)

## TASNEE SPECIALISES IN

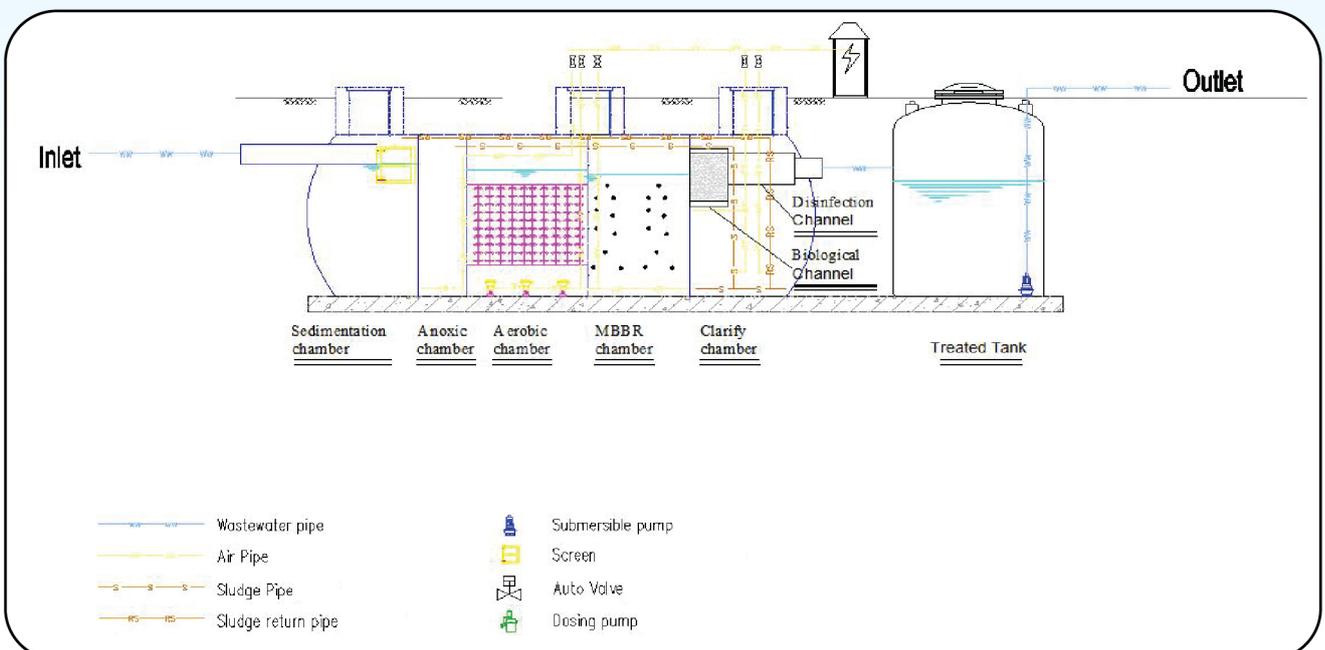


Processing capacity : SMC 2m<sup>3</sup>/d, SMC 3m<sup>3</sup>/d  
: FRP 3m<sup>3</sup>/d

Specializes in decentralized sewage treatment technologies Offering solutions as single house sewage treatment plant (STP)

### Effluent Quality

NO	Parameter	Outlet	Unit
1	COD	<150	mg/L
2	BOD5	<15	mg/L
3	NH3-N	<5	mg/L
4	SS	<15	mg/L
5	PH	6-9	
6	Faecal Coliform Bacteria (per 100 ml)	<200	MPN/100ml
7	Viable Nematode Ova	<1	MPN/1



# Features and Benefits of Domestic Wastewater Treatment Unit

- High energy efficiency with very low noise levels during operation.
- Odor-free design thanks to an integrated and sealed treatment system.
- Easy to operate and maintain without the need for advanced technical skills.
- Quick and simple installation suitable for various residential locations.
- Treated water can be reused for irrigation and agriculture, supporting sustainability.
- Fully automatic operation with no need for a dedicated operator.
- Environmentally friendly, helping reduce the ecological impact of wastewater.
- Compact design that saves space and allows installation in tight areas.
- Free from harmful emissions or toxic gases during operation.
- Long service life due to the use of high-quality, corrosion-resistant materials.
- Can be integrated with smart home systems for remote monitoring and control.
- Low operating costs compared to traditional systems.
- Reduces dependence on public sewage networks, ideal for remote or rural areas.
- Improves groundwater quality by reducing contaminated water discharge.
- Contributes to achieving national sustainability goals and lowering environmental footprint.
- Reduces the cost of wastewater disposal through reuse.
- Modular and scalable system allowing for easy expansion when needed.
- Can be used during emergencies or natural disasters as a reliable water treatment source.
- Increases property value by incorporating advanced, independent treatment systems.
- Aesthetic and enclosed design that does not affect the visual appearance of the site.
- High safety levels against contamination or leakage due to advanced sealing systems.
- Helps reduce carbon emissions compared to transporting wastewater to distant plants.



# تصنيع Tasnee

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Tasnee Water Solutions Company LLC



contact us at:

For more information about Tasnee Water Solutions Company LLC  
and our range of water treatment solutions,

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☎ +968 7933 3399  
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🌐 www.omantasnee.com  
📷 tasnee\_watersolutions

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