

www.rayanpolymerarta.ir

 041 91690916



Since 2019

RAYAN
POLYMER ARTA

WHO WE ARE?

Rayan Polymer Arta has emerged as the first and only producer of lactic acid, sodium lactate, and calcium lactate products in Iran and the Middle East that focuses on producing high-quality products that comply with international standards.



About us

Established in 2019, Rayan Polymer Arta has emerged as a pioneer in the production of lactic acid, sodium lactate, and calcium lactate. Leveraging advanced knowledge and technologies, the company plays a crucial role in the development of the industry.



With a strong focus on scientific research and utilizing state-of-the-art equipment, Rayan Polymer Arta produces high-quality products that meet international standards.

Why Choose Rayan Polymer Arta?

1. The first and only producer of lactic acid, sodium lactate, and calcium lactate products in Iran and the Middle East
2. Superior product quality in accordance with global standards
3. Extensive and rapid distribution network
4. Utilization of advanced technology
5. Competitive product pricing
6. Provision of technical services and support



Commitment to Quality

Rayan Polymer Arta is dedicated to providing high-quality products that comply with international standards. The production processes undergo stringent quality control at every stage to ensure the final products meet customer specifications and requirements. The company's quality control team employs advanced equipment and laboratory methods to assess and evaluate product quality.



Advantages of Rayan Polymer Arta Products

1. **High Quality:** Produced using high-quality raw materials and advanced manufacturing processes, ensuring the highest quality standards.
2. **Product Variety:** Rayan Polymer Arta offers a diverse range of lactic-based products, effectively meeting the needs of various industries.
3. **Environmental Sustainability:** The company's production processes are designed with sustainability and environmental protection in mind.
4. **Technical and Scientific Support:** The company's expert team provides technical and scientific support to customers for optimal product utilization.

Products

A person wearing a white lab coat, hairnet, and a white respirator mask is standing in a laboratory or industrial setting. In the background, there are large stainless steel tanks and pipes. The person is holding a white container. The overall scene is dimly lit, with a teal overlay on the left side of the image.

1

Lactic Acid ($C_3H_6O_3$)

2

Sodium Lactate ($C_3H_5NaO_3$)

3

Calcium Lactate ($C_6H_{10}CaO_6$)

1. Lactic Acid (C₃H₆O₃)

Lactic acid is one of the most important organic acids used across various industries. Due to its antimicrobial properties, moisture retention ability, and significant role in pH regulation, it finds extensive applications in food, pharmaceutical, cosmetic, and hygiene industries.

- **Food Industry:** Used as a preservative, flavoring agent, and pH regulator in food products.
- **Pharmaceutical Industry:** Utilized in the production of topical and oral medications as a pH regulator and raw material.
- **Cosmetic and Hygiene Industry:** Functions as a moisturizer and pH regulator in creams and lotions.

2. Sodium Lactate (C₃H₅NaO₃)

Sodium lactate is an organic salt derived from lactic acid, known for its moisturizing properties and pH regulation capability, making it useful in various industries.

- **Food Industry:** Employed as a preservative and pH regulator in meat and ready-to-eat products.
- **Cosmetic and Hygiene Industry:** Used as a moisturizer and pH regulator in skincare and haircare products.
- **Pharmaceutical Industry:** Involved in the production of injectable drugs and electrolyte solutions.

CONTENT	TEST RESULT
ASSAY(ACIDIMETRIC)	91 %
identity	Passes test
Ether insoluble substances	Passes test
Density(d20°c/4°c)	1.20
Chloride(ci)	<= 0.2 %
Sulphate(so4)	<= 0.02 %
Heavy metals(as Pb)	<= 0.001 %
As(arsenic)	<= 0.0003 %
Ph(lead)	<= 0.0005 %
Ca(calcium)	<= 0.02 %
Fe(iron)	<= 0.001 %
Hg(mercury)	<= 0.0001%
Cidric.oxalic-and phosphoric acids	Passes test
methanol	<= 50 ppm
Reducing impurities	Passes test
Sulfated ash(600°c)	<= 0.1 %
endotoxins	<= 5 I.U./g

LACTIC ACID 85%

**CAS number (79-33-4)
C3H6O3**

**Net weight : 20 KG
Gross weight : 21.2 KG**

CONTENT	TEST RESULT
Density (at 20° c)	1.331 / ml
pH 20% content	7.1 60 %
Chloride	<= 50 ppm
Sulphate	<= 20 ppm
Heavy metals	<= 5 ppm
As(arsenic)	<= 1.5 ppm
Lead	<= 2 ppm
Ca(calcium)	<= 0.02 %
Hg(mercury)	<= 1 ppm
Cidric.oxalic-and phosphate	Passes test
methanol	<= 0.025 %
Reducing sugars	Passes test
Sulfate	<= 20 ppm
Acidity	<= 0.5 %

SODIUM LACTATE 60%

**CAS number (72-17-3)
CH3CHOHCOONa**

**Net weight : 20 KG
Gross weight : 21.2 KG**



3. Calcium Lactate (C₆H₁₀CaO₆)

Calcium lactate is a calcium salt produced from lactic acid, serving as a calcium source across different industries.

Food Industry: Functions as a calcium supplement in food products, beverages, and dietary supplements

Pharmaceutical Industry: Used in the production of calcium supplements and bone-strengthening medications

Cosmetic and Hygiene Industry: Acts as a stabilizer and pH regulator in skincare and haircare products

Calcium Lactate

CONTENT	TEST RESULT
Density (at 20° c)	1.331 / ml
pH 20% content	7.1
Chloride	60 %
Sulphate	<= 50 ppm
Heavy metals	<= 20 ppm
As(arsenic)	<= 5 ppm
Lead	<= 1.5 ppm
Ca(calcium)	<= 2 ppm
Hg(mercury)	<= 0.02 %
Cidric.oxalic-and phosphate	<= 1 ppm
methanol	Passes test
Reducing sugars	<= 0.025 %
Sulfate	Passes test
Acidity	<= 20 ppm
	<= 0.5 %

CAS number (5743-47-5)



Net weight: 20 KG

Gross weight: 21.2 KG



● **FUTURE Projects**

To expand and diversify its operations, Rayan Polymer Arta has several plans for the future. The company invests in R&D to bring new and diverse products to the market. Expanding export markets and participating in international exhibitions and conferences are also among its near-term goals.



RAYAN
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Sustainability and Environment

Rayan Polymer Arta is committed to environmental preservation, designing its production processes based on sustainability principles and natural resource protection. By minimizing resource consumption and industrial waste, the company aims to reduce its environmental impact. Utilizing innovative and eco-friendly technologies is a priority at every stage of production.

Customer Services

Beyond producing high-quality products, Rayan Polymer Arta emphasizes superior customer service. The customer support team is always ready to address customer inquiries and needs, providing technical and specialized advice to help customers select the best solutions and products for their specific needs.



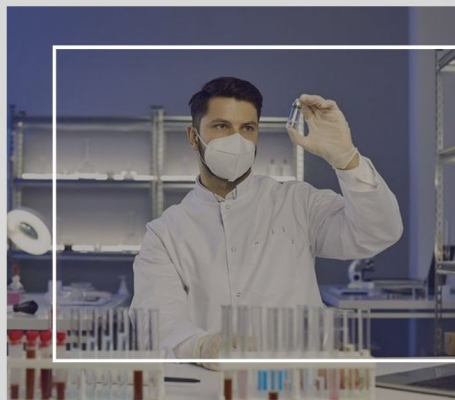
Research and Development

Rayan Polymer Arta boasts a strong R&D team continually exploring new methods and improving production processes. Collaborating with prestigious universities and research centers, the company aims for innovation and the development of new products with diverse applications and enhanced quality.

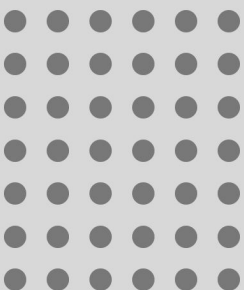


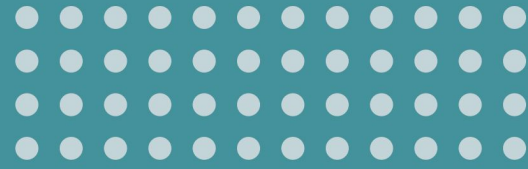
Human Resources

Rayan Polymer Arta values its human resources as one of its most valuable assets. The company fosters a healthy and dynamic work environment, prioritizing the development and training of its employees.



Educational programs and skill enhancement activities contribute to improved employee performance and increased organizational efficiency.





Organizational Culture

The organizational culture at Rayan Polymer Arta is built on values such as innovation, quality, customer-centricity, and responsibility. These values guide all company activities and decisions, contributing to a positive and productive work environment.





Awards and Honors

Rayan Polymer Arta has received numerous awards and honors from reputable domestic and international organizations for its commitment to quality and innovation, reflecting its distinguished reputation in the industry and among customers.






Final Conclusion

Rayan Polymer Arta, a knowledge-based company, focuses on producing high-quality products that comply with international standards, establishing a prominent position in the chemical industry both domestically and internationally. Its commitment to R&D, quality, and environmental sustainability positions it as a leader in the production of lactic acid, sodium lactate, and calcium lactate. Rayan Polymer Arta continues to advance towards achieving its long-term goals through innovative and developmental initiatives.





INOTEX Pitch

رقابت استارت‌آپی نمایشگاه اینوتکس

نوآور گرامی ...

خلافت دریای بیکرانی است که افراد نوآور، قدرت و توان تحقق آن را دارند. از اینکه در این مسیر ارزشمند و پر چالش در کنار شما قرار گرفته‌ایم، خداوند را شاکریم. از حضور مؤثر و پررنگتان در پنجمین رقابت استارت‌آپی نمایشگاه اینوتکس، شمه‌لقرب با هدف اعتلا و ارتقای فعالیت‌های علمی، حفظ و تقویت سرمایه‌های عظیم و توانمند کشور عزیزمان ایران، سیاست‌گزاریم. در کمال احترام و به رسم ادب و اخلاص این لوح سیاست تقدیم همت رفیع و حمیت منبع‌توان می‌گردد.


امید است با تکیه بر افراد نوآور و تلاشگر شاهد موفقیتان در توسعه اقتصادی و استقلال همه‌جانبه این مرز و بوم باشیم و این حضور شایسته‌تان استمرار و به سوی توسعه پایدار سوق یابد.

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Certificate of Attendance

This is to Certify That

saber bayramzadeh hagigi

Has Attended

Seventh International Conference on Science and Technology of Agricultural Sciences, Natural Resources and Environment of Iran

Location: Iran- Tehran
Course Date : March 11, 2022

Managing Director

Registration Number: md 2022
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CERTIFICATE OF PRESENTATION

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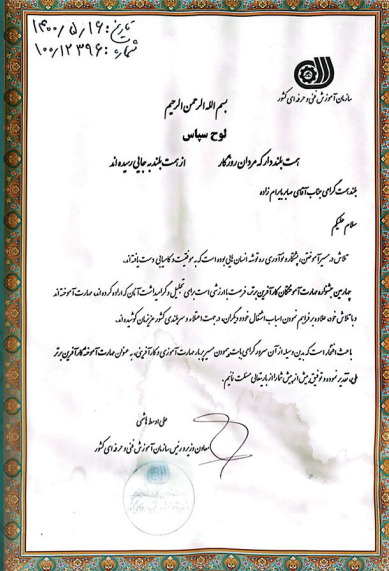
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International Center of Conferences and Seminars on Sustainable Development of Islamic World Sciences.

Event Date : 11 March 2022

Center of Global Events (CGE) President

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بسم الله الرحمن الرحيم
لوح سپاس

به استحضار می‌رساند که جناب آقای/سرکار خانم **سید سهراب باقری** در روز **۱۱/۰۳/۱۴۰۲** در محل برگزاری **هفتمین کنفرانس بین‌المللی علم و فناوری در زمینه منابع طبیعی و محیط زیست ایران** حضور یافته و در بخش **تولید لاکتیک اسید از ضایعات کشاورزی** شرکت نموده و در این زمینه سخنرانی کرده و در این راستا لوح سپاس تقدیم می‌گردد.

مدیر اجرایی: **سید سهراب باقری**



گواهی می شود:

در بیست و دومین نمایشگاه دستاوردهای پژوهش، فناوری و فن بازار - آذر ۱۴۰۰

فناوری: تولید لاکتیک اسید از ضایعات کشاورزی

متعلق به: رایان پلیمر آرتا

با همکاری: سایر بایرلرزاده حقیقی - غزاله اصل قنبرزاد

در سامانه ارزیابی فناوری ایران (سافا)، حائز سطح آمادگی فناوری (TRL) ۹ گردید.

دکتر علی باسفی
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مدیر اجرایی بیست و دومین نمایشگاه
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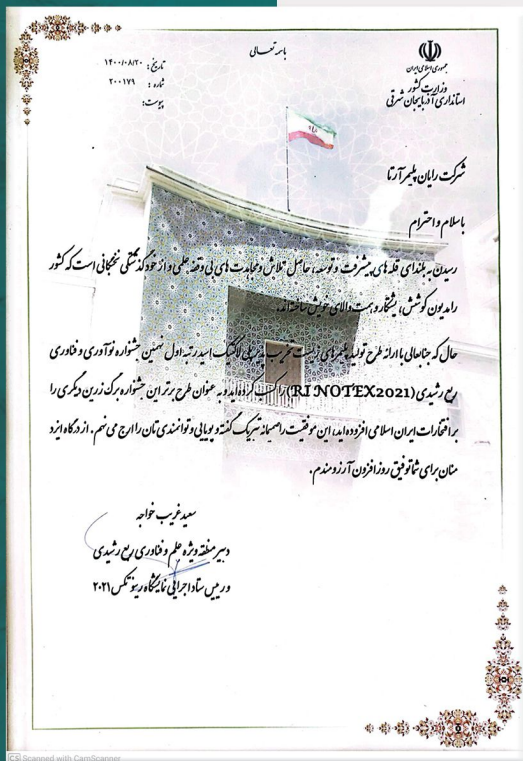
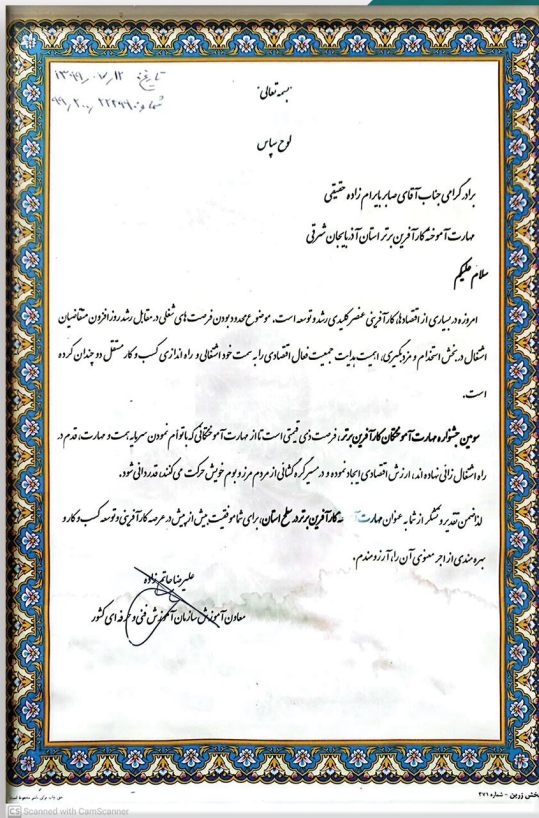
Saber Bayramzadeh Hagigi, Ghazaleh Asl Ghanbarzadeh

In recognition of your effort and performance for the oral presentation during the special session:

Production of biodegradable poly(lactic acid) polymer from agricultural waste

August 2022, Aica Conference Center, Berlin, Germany.

Dr. Peter Albert
scientific committee



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