Excellence in Global Contract Manufacturing of Sterile Solutions

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Ampoules, Vials, Lypohilized Vials & Ampoules, Pre-Filled Syringes (PFS), Blow-Fill-Seal (BFS)

About Us

A leading CMO in Turkey with a proven track record and experience in manufacturing products across all small volume injectable dosage forms for local and multinational pharmaceuticals.

Our Vision

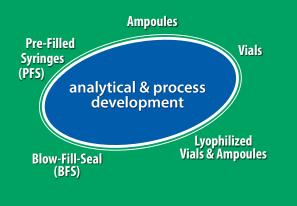
To become the "primary injectables manufacturer" for companies in both the national and international pharmaceutical industry.

Our Mission

To provide products and services of the highest quality standards at optimum costs in state-of-the art manufacturing facilities.

The key success factors in achieving our mission,

Flexibility, long-term collaboration, customer & employee satisfaction, on time delivery, environmental consciousness and a commitment to proactively follow and implement all regulatory changes.



- Analytical Method Validation
- Scale-up Batch Production
- Process Validation
- Stability Studies
- Cold-Chain Management
- Packaging
- Track & Trace / Datamatrix
- Controlled Drug Management
- EU GMP Certifications and others





Together to health...



Founded in 1985, Mefar is a leading pharmaceutical contract manufacturer of parenteral solutions for human and veterinary usage in ampoules, vials, lyophilized vials and ampoules, BFS (blow-fill-seal containers) and PFS (pre-filled syringes).

Mefar was the first company to fill vaccines in Turkey, our state-of-the-art sterile facility is designed to maximize transparency by the use of floor-toceiling hygienic glass partitions while preventing any form of waste of capacities, staff and other resources through its well-thought layout.

The facility is designed to increase employee productivity and to achieve operational excellence with its heavy use of modern production and quality control technologies.

Mefar is certified to cGMP / cGLP by Turkish, EMA for all European countries such as Germany, the UK, Portugal, Greece as well as certifications from CECMED, Ukraine, SFDA and Russia. We are actively improving the lives of millions of patients throughout Europe and other regions of the World by delivering high quality and cost competitive products and services.









We are aware of the limited resources of our planet and importance of well-being of our employees and thus continuously strive to act at the highest level of social and environmental responsibility through aimed programs. As a result of our efforts, Mefar has acquired ISO 14001 and ISO 45001 (formerly OHSAS 18001) certificates along with an award of the first Most Environmental Facility in its category.

As a business partner with an impressive global customer base, Mefar provides flexible customized services with over 700 employees with a full commitment to quality.

Mefar's integral relationship with its sister company, Birgi, a leading empty glass ampoule and vial manufacturer, creates a synergy that generates significant cost-savings and unmatched flexibility on delivery schedules. This relationship also enables customers to focus on their strengths rather than dealing with several suppliers.

Mefar is located just a few kilometers away from Istanbul's Sabiha Gokcen International Airport (SAW) and in close proximity to Europe as well as to the western part of Asia and the Middle East. This strategic location enables Mefar to receive APIs easily as well as deliver finished products to its customers in the fast growing Turkish market and export markets such as Germany, the UK, MENA and CIS countries and the Balkans.

As an independent company, Mefar does not own any pharmaceutical product licenses and is completely dedicated to serving our business partners with loyalty and in an environment free of any conflict of interest. Mefar has a strong commitment to pursuing this strategy in the future and will continue to be a reliable contract manufacturing service partner to prestigious pharmaceutical companies both locally and internationally.



Products & Services

Based on our extensive experience and expertise in the manufacturing of aseptically or terminally filled injectable products, Mefar applies a full-range of cutting-edge technologies in sterile production while ensuring conformity to the agreed quality specifications and regulatory requirements.

Mefar also provides full service packaging and warehousing services for your parental or cold-chain products.

Our wide range of production capabilities includes;

Ampoules

- Aseptic or terminal filling of 1 ml to 30 ml on state-of-the-art production lines
- Fully automated inspection machines

Vials

- Compounding & filtration (up to 2400 lt)
- Aseptic or terminal filling of 2 ml to 300 ml on state-of-the-art production lines

Lyophilization

- Vial and ampoule form lyophilization on state of the-art lyophilizators

Pre-filled Syringes (PFS)

- Aseptic filling of 0.5 ml to 50 ml
- Fully-automated inspection machine
- Labelling and back-stop insertion machines

Blow-Fill-Seal (BFS)

Aseptic filling in drop bottles of 2.5 ml to 50 ml
Strip, twist-off and screw cap capabilities

















Mefar is extremely well-positioned to export into Europe, MENA, CIS and other countries as we have been building on our capabilities both in manufacturing, regulatory support and logistics along with our growing GMP certifications such as EMA GMP certification covering all European countries.

While we are #1 in the Turkish CMO market, our exports have reached over 30% of our overall sales which are directly exported to mainly to the European countries.

With our strong customer base and key sterile services, working with over 100 customers and manufacturing experience with over 300 different APIs, Mefar can support you / your organization anywhere in the World.

You can email us at business@mefar.com for more information.

Products & Services

All products have;

- In process controls and continuous monitoring of all stages according to GMP guidelines

- Advanced labeling services with ring code, pharma code and print control systems

- Fully automated blistering capabilities -sealed or unsealed

- Packaging in full or semi-automatic machines with pharma code, print and leaflet control systems. All packaging lines have checkweighers.

- Track and Trace (T&T) capabilities in accordance with regulations for anti-counterfeiting 2D barcode quality verification systems

Mefar has state-of-the-art pure-steam generators, Water for Injection (WFI) and CIP/SIP units in place that are built for faster future expansions.

Mefar has extensive cold-chain management capabilities and experience throughout the plant with over 900 pallets cold-room capacity. Our temperature controlled warehouse boosts over 3000 pallets capacity for finished products and packaging materials.

Our customers are also able to access their up-todate inventory information through our website whenever they need an inventory report.

The source of our strength and success is due not only to modern technologies and commitment to international guidelines, but also to our more than 700 highly skilled and dedicated employees.

Mefar invites you to join us at our sterile production plant for any of your sterile production needs today or in the future.















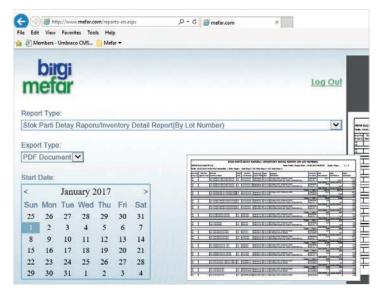
Established in 2006 by BirgiMefar, Defar provides our customers warehousing and logistics services under the cGMP and QA of BirgiMefar policies.

We offer storage, packaging as well as specific warehousing such as cold storage $(2^{\circ}C - 8^{\circ}C)$ management of quarantined goods, handling of returns and distribution services.

Defar's all closed areas are humidity and temperature controlled and are recorded continuously.







Quality

Our commitment to health & patient

Built and equipped according to the latest cGMP/ cGLP and ISO Standards, and incorporating the most advanced technologies and concepts currently in use in the pharmaceutical industry; Mefar enthusiastically meets the challenge of ever increasing emphasis on the utmost quality in the manufacture of pharmaceutical products and clearly acknowledges its ultimate responsibility to the individual patient.

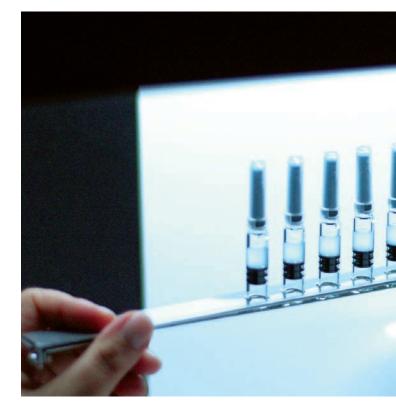
With its modern chemical, microbiological and physical laboratories, Mefar has an extensive experience in running method validation, stability studies as well as routine product and raw material analysis with its well trained, devoted staff of pharmacists, chemists and chemical engineers.

Mefar continuously monitors and records particles in class A and air flow velocity throughout the plant by its Building-Management-System (BMS) while ensuring the continuity of its high standard of quality.

Careful attention is given at each and every step of our production cycle from the first commercial initiative to the production of process validation batches and finally to your product's departure from the warehouse.

Our dedicated team of Product Transfer experts helps you throughout the transferring period and at later stages, so that you can concentrate on your strengths while having a seamless process.

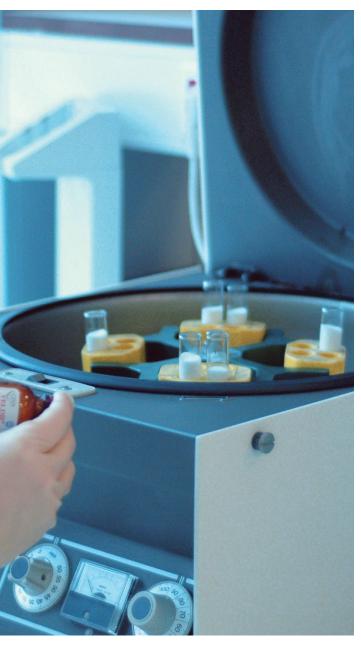
Our facility is regularly audited by local and international authorities for certification within the scope of regulatory audits. Moreover, existing and new customers periodically inspect Mefar for their routine annual GMP audits while rigorous internal inspections for each department and process are completed annually. Finally, Mefar has a robust supplier qualification program that includes strict auditing of the suppliers.,

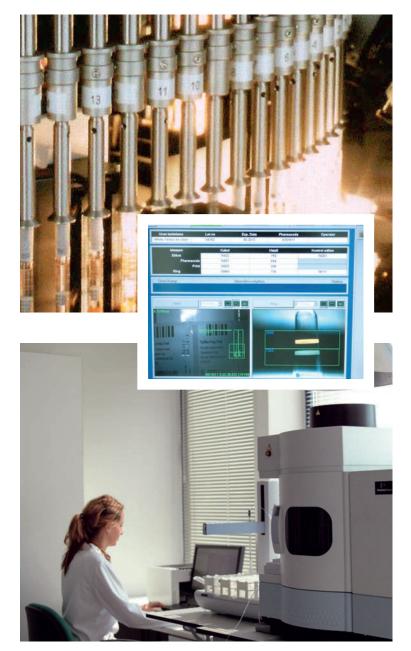












CUSTOMER SATISFACT	TION MANAGEMENT SYSTEM - ISO 10002:2014
This is to certify thet:	Medar Bac Sanayi A.S. Ramasanoglu Mah, Timar Cad, Markanoglu Mah, Timar Cad, Sanagar Sanag Sanagar Sanagar Sanagar Sanagar Sanagar Sanagar Sanagar Sanagar Sanagar Sanagar Sanagar
Holds Certificate No:	CMS 690813
and operates a Customer Satisfi	action Management System in compliance with ISO 10002-2014.
Production and pack	kaging of sterile products, bio-similar products, and recombined inactive
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bsi.	By Royal Charter
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ENVIRONMENTAL MAN	AGEMENT SYSTEM - ISO 14001:2015
This is to certify that:	Meter Taic Sanayi A.S. Rescolaryoji Mah. Ensir Cad. Martkoy/Sanbal 34906 Turbey
Holds Certificate No:	EMS 690815
and operates an Environmental I the following scope:	Management System which complies with the requirements of ISO 14001:2015 for
and Water For inject	ion production
and Water For inject	arbeilsan
For and on behalf of BSI:	Andres Laine, DRA Systems Certification Director
	Andrew Laure, EMG Systems Cetification Director 47-24 Effective Date: 2018-07-24
and Water For inject	

Quality Certificates

Quality Policy

I. All of our products are manufactured in accordance with Good Manufacturing Practices (cGMP) rules and quality.

To this end;

- · Current rules and technologies are pursued,
- The necessary measures are taken to ensure continuous improvement and development,
- Customers' expectations are met at a maximum level.

II. In accordance with this policy, the senior management of the company completely fulfills the requirements of the quality management system and commits to increase its efficiency continuously.

III. In order to fulfill this commitment, the management sets new targets for all processes every year and evaluates those targets periodically.

IV.The senior management of the company:

- Acts with transparency, equity and integrity in all of its relations with suppliers, customers and employees,
- Enables a democratic atmosphere to flourish in the company,
- Prioritizes the interests of the society and the protection of nature in all kind of work carried out,
- Trains and develops its personnel on a continuous basis,
- · Considers labor health and security of utmost importance.

Executive Committee





Quality Certificates

- GMP certification from Turkish Ministry of Health since 1986
- GMP certification from German Health
 Authorities since 1997
- ISO 9001 certification since 2003
- GMP certification from MHRA since 2003
- GMP certification from Romania since 2010
- ISO 10002 certification since 2010;
 ISO 14001 certification since 2012;
 ISO 45001 (OHSAS 18001) certification since 2012
- GMP certification from Ukraine since 2013
- GMP certification from Portugal since 2014
- GMP certification from Greece since 2014
- GMP certification from Denmark and Greece since 2015
- Belarus export license 2015
- Most Environmental Facility Award was given to Mefar (2015)
- EMA GMP Certification for all European countries has been issued in 2016
- GMP certification from Cote D'Ivoire Health Authorities since 2016
- GMP Compliance Notification from Canada Health Authorities since 2016
- GMP certification from Iran since 2016
- GMP certification from Iraq since 2017
- GMP certification from CECMED since 2017
- GMP certification from SFDA since 2018

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GMP certification from Russia since 2018

*The GMP certifications shown on this page may have been updated and/or new GMP certifications are added, therefore please ask us our current GMP certifications at business@mefar.com





Our Group of Companies' founder : **Mr. Adnan Birgi**

Our Group of Companies' founder Mr Adnan Birgi, left a successful banking career in 1947 to become the pioneer of the tubular glass container industry in Turkey. His continuous quest for perfection and his limitless energy have always been a source of inspiration to those around him. The family atmosphere and a strong sense of belonging is a direct result of his intense personal involvement and human interest. We are proud to follow his legacy of total dedication to perfection in the service of our customers.







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