



CAPTOPLASTIC

Protecting today's water for tomorrow

Advanced Solutions for Microplastic Pollution

Products

Let's protect our waters



Products overview

Control tech.

Quantification & Identification

Tech that uses a specialized material that captures microplastics (MPs) from any water samples forming an aggregate in the process. The method effectively removes all interfering substances, enabling the quantification and identification of them.

- All types of water samples, including Complex and Organic-rich Wastewater as well as Drinking water.
- Robust & Standardizable Lab Method.
- High Precision & Efficiency for all types and sizes of MPs.
- Method Tested & Verified on all kind of water (industrial, urban, textile, etc).

Products

Captolab

Starter Kit
License +
Consumables
(25 tests)

License

Consumables
(25 tests)

**Analysis
Service**

Products under development

Captonline

Captodrink

Capture tech.

Extraction & Recovery

A harmless capturing material is used to effectively capture MPs. Once captured, the MPs are separated from the aggregate and are ready to be valorized. The capturer is re-used over and over again providing a Zero Waste Technology.

- Water flows from any water Stream.
- Recovery Efficiency >80% MPs.
- Capturer material is continuously reusable.

Products

Captoplant
3,000 l/h

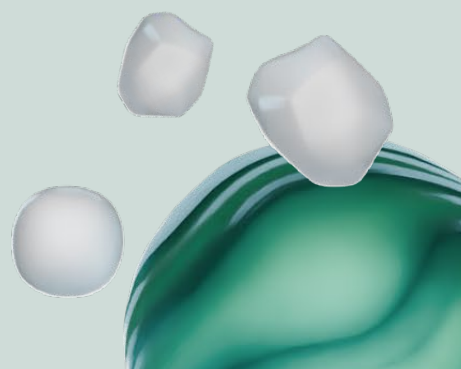
Captoplant
5,000 l/h

Products under development

Captoplant
100,000 l/h

Captoplant
1,250,000 l/h

Learn more about our
Capture Technology.



A technology capable of quantifying and capturing microplastics



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Control Technology

Products

Captolab

A device designed and manufactured by Captoplastic, able to quantify the amount of microplastics present in a sample.

- Microplastic **quantification** in any water sample.
- Autonomous operation and **user-friendly equipment**.
- **Patented technology** tested and verified in all kinds of water.
- **Cost-effective** and rapid processing solution.

Captolab's innovative technology makes it an essential equipment for microplastics control in water.



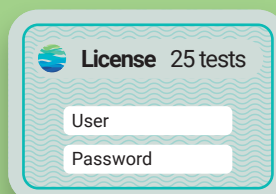
Starterkit

Enable clients to understand and validate the method's efficacy internally.

- Designed for up to **25 tests**.
- Contains all **consumables** necessary for the 25 tests.
- Provides **limited access** to 25 entries on the Captoplastic server hosting an application software for **microplastic calculation**.
- Includes **detailed instructions** on the laboratory process recommendations and safety measures.

License
(25 tests)

Consumables
(25 tests)



A technology capable of quantifying and capturing microplastics



CAPTOPLASTIC

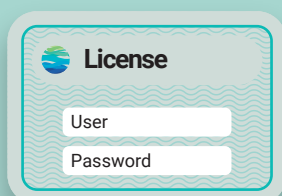
Control Technology

Products

License

Software enables detailed water sample analysis for microplastic concentration, expressed in mg/L.

Provide information for correct water management and protection.



Consumables (25 tests)

Kit includes **consumables for 25 measurements**.

Designed to complement previously mentioned products.

Ensures customers have all necessary resources for effective and accurate analyses.

The provision of consumables ensures there are no worries about material availability.

Ensures optimal use of our method by customers at any time.



Microplastics Analysis Services

Quantification of effluents.
(mg / l)

Identification of the type of microplastics (MPs).



- Specialized in-house laboratory.
- Personalized studies for accurate results.
- Covers various water sources, from consumption to industrial effluents.
- Trustworthy analysis to keep your water microplastic-free.

Products currently under development

Captonline

Development of a **fully automated system for monitoring microplastic concentration in water**.

Aims to ensure continuous control of effluent quality.

Accurate determination of microplastic levels in the environment.

Identification of peak concentration periods of microplastic contaminants.

Installation directly on the effluent for online monitoring.

Integration into the water stream for analysis.

Captodrink

Development of **specialized equipment for sampling and controlling microplastic presence in drinking water**.

Aimed at meeting upcoming regulations for microplastic control in water intended for human consumption.

Equipment designed to simplify the control process by eliminating the need for filtration steps.

Ensures the quality of drinking water consumed by effectively sampling and facilitating microplastic control.

A technology capable of quantifying and capturing microplastics



CAPTOPLASTIC

Capture Technology

Products

Captoplant

3,000 l/h

5,000 l/h

Continuous capture technology offers a highly effective solution for removing microplastics from various water streams and matrices without disturbing the natural state of the water.

- Flexible for any water stream.
- Consumables reused over and over. MPs can be valorized. ZERO WASTE Technology.
- MPs Recovery Efficiency > 80%.
- Competitive Price. Low CAPEX and OPEX.

Captoplant's innovative technology makes it essential equipment for continuous microplastics removal in any water flow.



Project execution

- | | | | | |
|--|---|---|--|---|
| 1
Initial microplastic analysis in client's water.

Initial analysis of microplastic concentration in the client's water to understand the problem and the advantages of our technology. | 2
Demonstration test and evaluation.

Demonstration test with pilot plant and conceptual engineering study to evaluate performance and operating costs. | 3
Engineering and plant manufacturing.

Basic/detailed engineering and plant manufacturing, designing the equipment, and building the capture module. | 4
Installation and client training.

Commissioning at the client's facilities with Captoplastic supervision, including staff training. | 5
After-sales service and supplies.

Technical support and supply of consumables to ensure continuous operation of the plant. |
|--|---|---|--|---|

Products currently under development

Captoplant 100,000 l/h
(2,400 m³/day)

Captoplant 1,250,000 l/h
(30,000 m³/day)

- Commitment to innovation and customer satisfaction.
- Developing new plants for large-scale water treatment.
- Optimizing plants for efficiency and sustainability.
- Leading the fight against microplastic pollution with scalable technology.

Leading the Fight Against Microplastics

Other Products

At Captoplastic, we understand that each client has unique needs, and fighting microplastic pollution requires varied and flexible approaches. Therefore, in addition to our cutting-edge control and capture products, we offer a range of additional services designed to be adapted to different situations and objectives.

Technology licensing

Interested in bringing our technology to new markets?

- Licensing opportunity for our patents available to third parties.
- Focus on expanding technology globally.
- Collaboration with strategic partners for effective implementation.
- Potential for profitable application in various markets worldwide.

Joint development with clients

Looking for a customized solution tailored specifically to your needs and local markets?

- Collaboration opportunity for joint technology development.
- Clients can work closely with us through collaboration agreements.
- Adaptation and modification of technology for introduction into new markets.
- Leveraging expertise and technical knowledge through personalized collaboration.

About Us

We are an innovative company dedicated to leading the fight against microplastics.

Since our incorporation in 2020, we have been recognized as a Knowledge-Based Company, collaborating with partners such as the Autonomous University of Madrid and Beable Innvierte Kets Fund.

Our technology, supported by patents and in continuous development, controls and captures microplastics from water, encouraging a contaminant-free environment.

We focus on improving water quality with innovative solutions and specialized equipment, complying with current regulations and promoting long-term sustainability.

captoplastic.com



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