



PROFESSIONAL LINE BARCHEMICALS
LEGIONELLA CATALOG
2021 / 2022-1



ITALIAN



This catalog cancels all previous ones and will be valid until replacement, even partial, with new versions.

The list prices are valid with reference to the date of issue.

Barchemicals reserves the right to modify and update prices, depending on the variation in the prices of raw materials and the EUR / USD exchange rate.

Issue date: November 2021

BIOSECURITY: The Barchemicals solution

This Catalog is the result of over thirty years of experience of a Large Italian Group: Barchemicals Group.

Barchemicals Group represents an entirely Italian reality made up today of companies that share projects, visions and values, including Safety for customers and collaborators and the protection and respect for Environmental Resources.

The companies operate in the primary water treatment sector (industrial, drinking, recreational, agricultural) both in Italy and abroad, ranging at 360 ° on every management problem, with particular regard to the sectors:

- disinfection and water treatment,
- environmental disinfection and sanitation,
- control and automation.

The Group - founded and directed by dr. Corrado Barani - is the owner of numerous patents; the resources dedicated to Research and Innovation make up the majority of investments.

Barchemicals is the parent company; produces chemical products for the treatment and conditioning of all types of water. Thirty years of experience is condensed into different product lines: Swimming pool, Detergent, RT line, "I Sali della Vita[®]", Agri Line, VET Line and Legionella Line.

Thanks to an innovative and efficient production system, the company designs and produces high quality and reliable chemical specialties internally.

The products - rigorously "Made in Italy" - meet strict quality criteria and are developed through a rigid path of research and safety tests.

The LEGIONELLA Line Catalog is aimed at the most qualified operators who work in the service of Water and Air Treatment.

The constant attention to Research and Development has allowed the creation of innovative products, the products of the Legionella Line respond to the main requirements of the most important Biosecurity protocols.

The balanced formulations between the various components and the use of active ingredients normally used in the food sector are the guarantee that these products, after their detergent and disinfectant action, do not leave toxic residues for humans.

Linea Legionella products are particularly suitable for the prevention of biofilm formation; fighting against the most common bacterial agents toxic to humans and animals, such as legionellosis, they fully comply with workplace safety regulations (law 81/2008).

For disinfection in the health sector, for the protection of the health of operators and potentially exposed subjects, products are highlighted that are PMC certified (Medical Surgical Presidium), or with BPR registration (European Biocides Standard) in progress.



www.barchemicalsgroup.it

Follow the Barchemicals Group on:



BARCHEMICALS GROUP

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BIO SAFETY

Barchemicals believes in Biosecurity.

Barchemicals introduces the fundamental concept of Biosecurity in the Water Disinfection and Treatment sector. By addressing the many variations of the reference sectors, we will no longer operate in watertight compartments, but we will deal holistically and at 360 ° with all aspects concerning safety. We at Barchemicals will no longer dedicate ourselves only to water and the plant engineering part, but we will take care of the environment in general (air, confined spaces, production areas and / or activities, public areas, reserved spaces).

We will no longer take care only of customers' health, but also that of anyone who uses the structure's supply chain, whether they are a customer or a technical operator of the plant. Biosecurity does not only mean taking a 360 ° interest in the spaces of activity, but also worrying about the surrounding environment, for example avoiding the discharge of polluting products or avoiding that through the technical equipment of the structures - such as the air that comes out of the AHUs or evaporative towers - diseases (Legionellosis in primis) can also spread in the areas surrounding the plants themselves.

Biosecurity also means preventing all those phenomena which, in the short or long term, can cause direct or indirect diseases to people who have frequented or will frequent production, work and activity environments.

Precisely for this reason, the Barchemicals R&D department, together with universities and private or public research institutes, finances and supports the research of new less polluting and more effective materials. In particular, Barchemicals pays considerable attention to the development of biocides, effective even at low dosages, which are less dangerous for people's health and which do not present phenomena of acquired resistance.

Barchemicals also studies the design of new filtration materials that are able to self-sterilize and reduce the toxic pollutants present in process water, production or sanitary or drinking water, as well as carrying out research on how to reduce pollutants present in the air of the plants.

Barchemicals supports the research and development of new purification systems, but also promotes everything that, in the short or long term, can help mankind to live in health and happiness. Barchemicals is aware of having a very important social role as in the first 35 years of its life it gave work and dozens and dozens of people, it helped to raise many young people who spent, for more or less long periods, in its laboratories and at its offices or production departments. Barchemicals has contributed, through the competitive stimulus of free competition, to raising the quality of water treatment systems in Italy and abroad.

Barchemicals is - and will always be - at the forefront, because the development of research and the promotion of people's health and well-being are intrinsic in its DNA and in its Fundamental Values. Biosecurity is the latest goal that Barchemicals is now trying to achieve for the good of all.

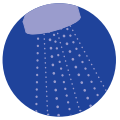
WHAT DOES THE COMMITMENT TO BIOSECURITY MEAN IN GOOD SUBSTANCE FOR BARCHEMICALS GROUP?

1. First of all, carry out the registration of the products that contain the active biocidal ingredients, present in the authorized lists at European level (BPR) and at local level, if outside Europe.
2. Carry out the registration of PMC in Italy when the Ministry of Health requests it.
3. Avoid using unauthorized products or products lacking technical equivalence as required by the BPR.
4. Select suppliers based on strict ethical and moral criteria and based on the quality of raw materials.
5. Carry out R&D in collaboration with Universities and Research Institutes.
6. Promote conferences and continuous training of its staff and customers.
7. Promote R&D scholarships.
8. Develop new systems for water and air treatment (biomaterials, chemical-physical systems, UV, etc.)
9. Join and organize conferences and events that promote Biosecurity.
10. To broaden the fields of application of Biosecurity, to help the transfer of one's skills in various sectors: drinking water for human and animal use, sanitary water, industrial water, thermal water, waste water, water for food use and water for washing and food processing.
11. Promote the expansion of the concept of Biosecurity also in developing countries.

Castelnuovo Rangone, 29 September 2021

BARCHEMICALS GROUP

Barani dr. Corrado



CIRCUITS OF DOMESTIC HOT WATER AND DRINKING WATER

The cold and domestic hot water circuits offer the ideal habitat for the formation of Biofilm and the proliferation of Legionella



EVAPORATIVE TOWERS

The ability to disperse aerosols even over important distances makes these systems potentially very dangerous in terms of risk for human health



THERMAL WATERS

Line of chlorine-free products to preserve the multiple healing characteristics of the different types of thermal water while still guaranteeing the health of users



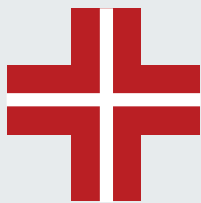
AERATION SYSTEMS

The aeration systems present in the premises, if polluted by Legionella, are the most difficult to treat for good and effective sanitization

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PRODUCTS IN EVIDENCE



MEDICAL SURGICAL DEVICES (PMC) AND BIOCIDES (BPR)

The introduction of the European Directive BPR (EU Regulation 528/2012 on Biocides) to protect people's health, has led companies that produce and distribute disinfectant products to a leap in quality, forcing them to register the active ingredients at European level (Calcium Hypochlorite, Sodium Hypochlorite, Trichloro Isocyanurate, etc.), the formulations and the substances that contain them in a specific European register, where a dossier is compiled for each substance that demonstrates its effectiveness, danger and fields of use.

The purpose of the Regulation is to improve the formulations and functioning of the market for biocidal products in the Union European, guaranteeing at the same time a high level of protection for man and the environment.

Each biocidal product must obtain an authorization. All can be placed on the market; Furthermore, the active ingredients contained therein must have been previously approved.

The approval of active ingredients takes place at the level of European Union and the subsequent authorization of biocidal products at Member State level.

Generic products, active ingredients that come from non-certified producers and that have no equivalence with reference raw materials (Reference Source) will disappear from the market.

Barchemicals adheres directly to the BPR Regulation on BIOCIDES, is included in article 95 of the Regulation itself as a supplier of active ingredients and has already activated the pre-registration actions of its own national level, within the meaning of the timing of the required by the Regulations.

It also produces many products registered in Italy such as PMC (Medical Surgical Presidium).

of these elements require authorization before they automatic to the placing on the market of such products, on a national scale, even in the transitional period.

ACCREDITED LABORATORY 1879 L

The Barchemicals Analysis Laboratory is accredited UNI CEI EN ISO / IEC 17025: 2018 with the number 1879 L.

ACCREDIA assesses the technical competence and professional suitability of conformity assessment operators (Laboratories and Bodies), ascertaining their compliance with mandatory rules and voluntary standards, to ensure the value and credibility of the certifications.



PRODUCTS IN EVIDENCE

Accreditation by ACCREDIA relates to the tests for which the Laboratory has requested and obtained accreditation and for these it ensures: the technical competence, the impartiality of the staff, the adequacy of the equipment and the structure in which they are performed, the adequacy of the quality management system. These skills are periodically verified through random checks on the tests subject to accreditation and on the quality management system.

ACCREDIA guarantees that the laboratory is able to perform the accredited tests in accordance with the relevant standards or test methods but cannot be responsible for the results of the tests themselves.

The accreditation of the laboratory aims to protect the interest of customers by guaranteeing the technical competence and professional reliability of the testers, including compliance with specific technical standards or regulations. This guarantee is based on compliance with "good management" practices of the test activities, through the adoption of documents of external origin to the laboratory such as the Official Test Methods, Quality Standards and by means of internal documents such as the Quality Manual, Management Procedures, Technical Procedures.

The tests for which the laboratory is accredited are the following:

- **Legionella**
- **Cryptosporidium** (to date this is the only private Italian laboratory that has obtained this accreditation)
- **Giardia** (to date this is the only private Italian laboratory that has obtained this accreditation)
- **Counts vital microorganisms at 22 ° C**
- **Counts vital microorganisms at 36 ° C**
- **Escherichia Coli**
- **Total coliforms**
- **Enterococci**
- **Pseudomonas aeruginosa**
- **Staphylococcus aureus**
- **Clostridium perfringens**
- **pH**

Their application concerns the following matrices:

- **water intended for human consumption**
- **bathing waters**
- **thermal waters**
- **mineral waters**
- **cooling tower waters**
- **natural waters**
- **shallow waters**
- **water intended for air humidification**



Special analysis service on request.

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LEGEND

BO = Bottle
FU = Drum
SE = Bucket
IBC = Tank

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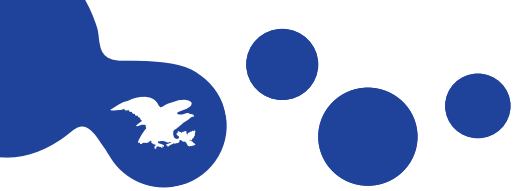
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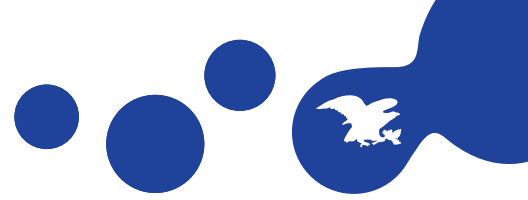
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LEGIONELLA

LEGIONELLA

THE BOAT SOLUTION LS

Legionella is an aerobic gram-negative bacterium belonging to the legionellaceae family. More than 50 species have been identified, divided into 71 serogroups. The most dangerous, which has been linked to about 90% of cases of legionellosis in humans, is *L. pneumophila*.

WHERE IS IT?

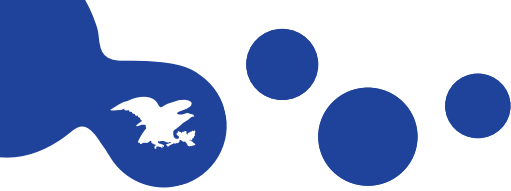
It can be present in both natural and artificial aquatic environments such as: springs, rivers, lakes, vapors and humid places in general. Following the natural paths it reaches human and community environments such as sanitary water circuits, swimming pools, spas, humidified air conditioning circuits, pipes, tanks, fountains and industrial cooling towers.

It reproduces at temperatures between 20-60 ° C and resists up to 65 ° C. Legionella, while being found in freely floating water, prefers biofilm. It is also associated with other factors such as a condition of stagnation, the presence of encrustations and amoebas.

WHAT SYMPTOMS CAN IT CAUSE?

The contagion can manifest itself with two different clinical pictures, an acute form not particularly severe with fever (Pontiac fever) and a pulmonary form known as Legionnaires' disease particularly severe and with mortality rates of 10%, which can rise up to 50% in hospital infections.





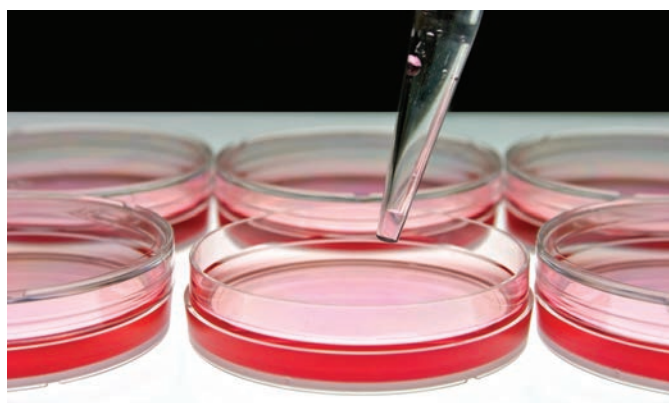
Legionella reproduces at including temperatures

between 20-60 ° C

WHAT DANGER EXISTS TO GET INFECTED?

Infection is a frequent occurrence, about 10% of the population have antibodies to the more frequent strains in the environment, but fortunately the onset of disease remains a fe

Epidemiological data in recent years have recorded a strong increase in cases, but it should be noted that most likely the increase is due to the better organization and efficiency of the surveillance bodies. In the last five years, in Italy, the cases registered and published by the Istituto Superiore di Sanità have reached an average of eight hundred a year. The disease is fatal in 5-15% of cases.



WHO IS MORE

The recognized risk factors are represented by age with a significant increase around 60 years and by chronic degenerative diseases (diabetes, bronchopathies), but also male sex, smoking and immunodeficiency.

WHERE ARE YOU RISK OF CONTRACTING?

The greatest risk factor is the inhalation of aerosolized contaminated water particles. Therefore, inhalation systems, showers, whirlpools and anything capable of generating an aerosol can certainly be a vehicle for contagion.

In recent times there has been a significant increase in the incidence of contagion in dental patients: the phenomenon has been related to the use of high pressure water.

For completeness of information it should be noted that subclinical forms of legionellosis have been identified by means of the specific antibody response.



HEALTHY HOT WATER CIRCUITS AND DRINKING WATER

HEALTHY HOT WATER CIRCUITS AND DRINKING WATER

Domestic hot water is certainly one of the areas most prone to being a receptacle and a development zone for *Legionella pneumophila* colonies.

Temperatures between 20 - 60 ° C, the presence of accumulation points such as boilers or branches used under the circuit, but above all the presence of calcareous encrustations alternating with organic mucilaginous deposits, are the ideal place for the development of *Legionella*.

The aerosolization of these colonies through, for example, the shower, which nebulizes the water itself, exposes people to a very high risk of contagion.

The Barchemicals treatment philosophy starts from the assumption that first of all it is necessary to eliminate the conditions predisposing the proliferation of *Legionella*, that is the areas where *Legionella* tends to "hide" and multiply. For this reason, the Barchemicals treatment provides, in addition to the use of Biocide (Biochlor or Biozono Ag + DL / DL P), also the use of products to prevent or eliminate encrustations of a mixed nature, both inorganic and organic.

Then the use of the system **Smart Medical System**, thanks to the catalyzing action of the reactor into which the biocides are injected, it enhances and amplifies their disinfectant power.



LEGIONELLA

PRODUCTS

BIOCHLOR

PMC (MEDICAL DEVICE
SURGICAL)

Medical Surgical Unit PMC registration of the Ministry of Health No. 19916. BPR (Biocides) registration in progress for use PT 2, 3,4,5 VIRUCID (EN16777 EN14476)

It is a concentrated disinfectant solution titrated in free chlorine, intended for the disinfection of Gram positive and Gram negative bacteria, including Legionella spp., Of sanitary water circuits, cooling towers and the food, feed and agro-livestock and surfaces industries.

Main uses:

- Disinfection of surfaces or pipes of water systems used for the production, distribution, transport, storage and consumption of food, feed and beverages for the control of contamination by Gram positive and Gram negative bacteria including Legionella spp.
- Chlorine coverage of water hot sanitary and cooling tower circuits.



F.

Code	Description	Conf.	Pieces / Cart	Pallet Qty
8602020004	BIOCHLOR - PMC n° 19916	BO 250 ML	10	650 pcs
860202015	BIOCHLOR - PMC n° 19916	BO 1 LT	20	300 pcs
860202017	BIOCHLOR - PMC n° 19916	FU 10 LT	-	400 lt

BIOALPHA

It is a bio-conditioner for water systems created to meet and solve the various problems related to the daily use of hydraulic systems; due to the presence of biofilm in accumulations, recirculations and pipes, the reduction of energy efficiency, the danger of biological contamination are just some of the problems associated with the management of a plant.

This product was designed for two treatment lines:

- Continuous water treatments in order to control the deposition of inorganic material in the circuits. Shock
- treatments aimed at eliminating organic film-forming deposits.

BIOALPHA is characterized by its non-corrosivity and contains active substances included in the GRAS (Generally Recognized As Safety) status by the US FDA. It can be used together with BIODUE for a combined peroxidation action of the Biofilm in plumbing systems.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202010	BIOALPHA	FU 10 LT	-	400 lt

BIODUE

It is a peroxide-based bio-oxidant with a cleansing action with a sanitizing effect. Ready to use with modulated release; other the use of new stabilizers for reasons regulations and economics led to the formulation of a liquid solution of stabilized peroxides in the absence of heavy metals. The ready-to-use bio-oxidising potential derives exclusively from the combination of peroxides and substances

natural organic. BIODUE can be used alone or in combination with products of the Biopharma line: On its own it is suitable for continuous sanitization of water circuits, for use in the food industry. Combined with BIOALPHA it offers a combined action for the peroxidation of the biofilm that accumulates in plumbing systems.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202018	BIODUE	FU 10 LT	-	400 lt

BIOGLAYD

It is a bioconditioner, with glycolic action) which have a remarkable detergent with sanitizing effect chemical affinity for alkaline earth ions specially formulated for removal of biofilm in sanitary water circuits and dispensers.

(Calcium, Magnesium) and in general for the metals that are frequently found in the biofilm (Iron, Manganese).

The design of BIOGLAYD draws originating primarily from the risk factor represented by the presence of biofilm accumulations, recirculations, pipes and products formulated with dispensing mineral acids that determine the danger of microbiological contamination of devices.

BIOGLAYD is characterized by the **reduced danger** of use and for the **total eco compatibility** compared to others in products formulated with dispensing mineral acids (hydrochloric, phosphoric) or sulphamic acid. BIOGLAYD is also indicated **for descaling** (SCALE REMOVING)

The use of specifically formulated **hard surfaces** located in inspection and removal

humid environments.

of subflorescences and saline formations contains the degradation and eliminates the risk of biofilm, with significant and advantageous pre-sanitizing and reconditioning action damp surfaces.

The special formulation in addition to the obvious advantages of environmental compatibility and rinsing operation eliminates the re-opacification phenomena typical of scale remover with surfactant activity caused by the deposition of insoluble calcium and magnesium soaps on the surfaces.

With regard to the inorganic fraction of the biofilm (limestone, metal deposits) it is removed by the effect of the fruit acids contained in the formulation (acid



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202034	BIOGLAYD	FU 10 LT	-	400 lt

LEGIONELLA

BIOZONOA g + DL

Bio-oxidant with sanitizing effect based on active oxygen and Ag + ions for the control of Legionella pneumophila and bacterial proliferation in sanitary water circuits, cooling tower circuits and closed circuits subject to bacterial pollution.

Not foaming.

Property

Special formulation that thanks to the synergistic action of active oxygen and silver exerts a strong sanitizing action in sanitary water circuits, cooling water circuits and in general in water circuits where there is contamination due to Legionella pneumophila and other bacterial forms and pathogens normally present in the Biofilm.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
220643006	BIOZONE Ag + DL	FU 10 LT	-	400 lt

BIOZONOA g + DLP

Bio-oxidant with sanitizing effect based on active oxygen and Ag + ions for the control of Legionella pneumophila and bacterial proliferation in sanitary water circuits and in closed circuits subject to bacterial pollution. Thanks in the presence of 'antiscala' agents it prevents the formation of limestone deposits and exerts a strong action **anticorrosive. Not foaming.**

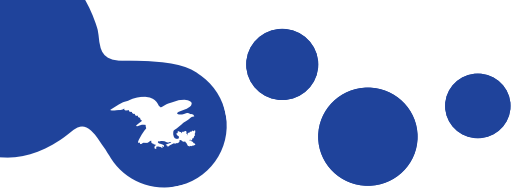
Property

Special formulation that thanks to the synergistic action of active oxygen and silver exerts a strong sanitizing action in sanitary water circuits and in general in water circuits where it is present. Contamination due to Legionella from the pneumophila and other bacterial forms normally present in the Biofilm.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
220645006	BIOZONE Ag + DL P	FU 10 LT	-	400 lt



BIOSHIELD

Represents innovation in subject of deposition of inert material e from **pipeline protection** of sanitary water totally non-toxic in the presence of high and is characterized by its effectiveness in redox values of the water. conditions of high aggressiveness and features amphoteric of the oxidative potential of the conducting water. solution guaranteed by the biphasic

Compared to the formulations usually used BIOSHIELD, thanks to the peculiar action of **natural tannins** contained in it, amplifies the kinetics

formulation which includes both nucleophilic silicates and electrophilic tannin extracts, allow to prevent corrosive phenomena induced by the redoximetric variations of the water.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202060	BIOSHIELD	FU 10 LT	-	400 lt





TOWERS

EVAPORATIVE

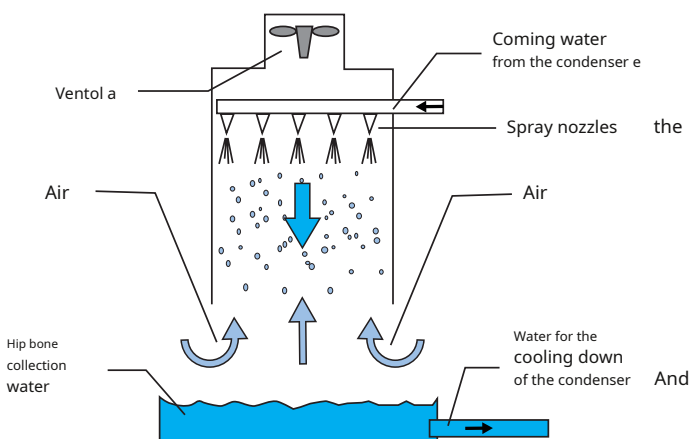
TOWERS

EVAPORATIVE

The term "**evaporative tower**" indicates any type of evaporative apparatus (open circuit cooling tower, closed circuit evaporative tower, evaporative condenser, evaporative cooler, scrubber) used in **air conditioning of buildings** (residential or for productive use), in industrial processes, in refrigeration plants or in energy production systems, characterized by the use of **water with aerosol production and liquid evaporation.**



In fact, they exploit the natural law according to which the forced evaporation of a minimum quantity of water causes a lowering of the temperature of the main fluid mass.



Therefore, in the case of evaporative towers, while ambient air enters from below, induced to rise by the fan or by the difference in density, the water to be cooled is sprayed from above. This will have a high temperature at the entrance, as it has previously received heat from an environment, from an engine or from any component. In contact with colder air, the liquid sprayed into the tower releases energy, partially evaporating and cooling according to the principle set out above. However, most of the water does not evaporate, but falls towards the bottom of the tower, where it is collected in a basin and sent back to the users.

Due to the characteristics of the water, the temperatures involved and the way it operates, there are strong microbiological risks associated with its operation. Above all, given the ability to disperse aerosols over even significant distances, it is strongly connected to risks for human health.



In fact, inside the tower a series of conditions can easily occur which favor the development of the Legionella bacterium. In fact, the water can remain in the collection basin even for long periods and precisely at the ideal temperature for the development of the germ. The same cooling process then involves the formation of an aerosol (dispersion of drops of water in a stream of air), which, despite special shielding, can accidentally be released into the atmosphere and spread the germ.

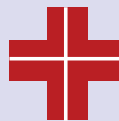
WINNING STRATEGY

It is necessary to introduce products capable of preventing bacterial fallout phenomena and preventing encrustations on the exchange surfaces which reduce the thermal efficiency and favor the adhesion of a thick biofilm to the walls. The products to be used must therefore be effective against bacteria, algae and encrustations, but at the same time harmless to people and non-corrosive to the materials that make up the evaporative towers.

LEGIONELLA

PRODUCTS

BIOCHLOR

PMC (MEDICAL DEVICE
SURGICAL)

Medical Surgical Unit PMC registration of the Ministry of Health No. 19916. BPR (Biocides) registration in progress for use PT 2, 3,4,5 VIRUCID (EN16777 EN14476)

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BIOZONOA g + DL

Bio-oxidant based on active oxygen and Ag + ions for the control of Legionella pneumophila and bacterial proliferation in sanitary water circuits, cooling tower circuits and closed circuits subject to bacterial pollution.

Not foaming.

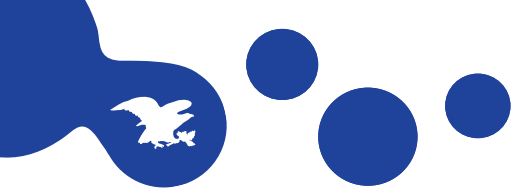
Property

Special formulation that thanks to the synergistic action of active oxygen and silver exerts a strong sanitizing action in sanitary water circuits, cooling water circuits and in general in water circuits where there is contamination due to Legionella pneumophila and other bacterial forms and pathogens normally present in the Biofilm.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
220643006	BIOZONE Ag + DL	FU 10 LT	-	400 lt



LEGIONELLA

BIOSANDL

Bioconditioning based on salts of **Property** Polymeric quaternary ammonium with a strong sanitizing effect. BIOSAN DL is an agent with a strong biocidal and bio-sanitizing effect that depends on the bacterial and algal load under control. In particular, it prevents and controls the proliferation of Legionella pneumophila. **Thanks to its non-oxidizing action it prevents corrosion phenomena. Prevents and controls the proliferation of algae. Guarantees Biofilm removal. Not foaming.**



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
220614030	BIOSAN DL	FU 10 LT	-	400 lt

BIOQUARK



PMC (MEDICAL DEVICE SURGICAL)

Medical Surgical Unit PMC registration of the Ministry of Health n° 20149. BPR (Biocides) registration in progress for use PT 2,3,4,5

Concentrated disinfectant product for **Property** the treatment of water systems, for the chlorination of drinking, waste, process and industrial water with the addition of anti-precipitating agents capable of preventing the unwanted effects of precipitation of calcium salts and activating the disinfectant properties of hypochlorous acid.

- Disinfection of water circuits of domestic hot water and cooling towers to control contamination by Gram positive and Gram negative bacteria including Legionella spp.
- Disinfection of surfaces, tanks and water pipes.
- Chlorine coverage of water hot sanitary and cooling tower circuits.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
220648004	BIOQUARK past 7 g - PMC n° 20149	IF 10 KG	-	360 kg
220648006	BIOQUARK past 7 g - PMC n° 20149	IF 25 KG	-	450 kg
220648014	BIOQUARK past. 20 g - PMC n° 20149	IF 10 KG	-	360 kg
220649004	BIOQUARK Granular - PMC n° 20149	IF 10 KG	-	360 kg
220649006	BIOQUARK Granular - PMC n° 20149	IF 25 KG	-	450 kg



WATERS
TERMAL I

WATERS

TERMAL I

In spas, the Biosecurity of water is a critical element, both for curative services and for those dedicated to Wellness

The characteristics of the thermal waters are extremely heterogeneous, depending on the mineral salts and trace elements that over the centuries have enriched the waters themselves, giving it unique qualities, capable of enhancing its peculiarities at the service of health and well-being.

Due to this enrichment through specific natural elements, each water acquires unique characteristics, making them suitable for different types of therapies, and identifying, by way of example, the type:

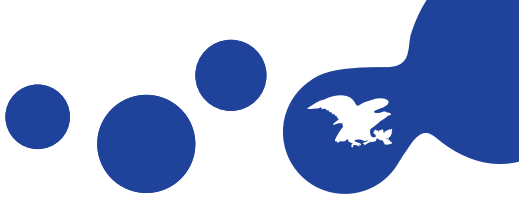
- salsobromiodic waters
- sulphurous waters
- bicarbonate sulphated - magnesium waters
- bicarbonate waters
- sulphated waters
- chloride-sodium waters
- etc.

The countless benefits and advantages of using these types of water have been known since ancient times and their effectiveness lies precisely in the chemical and chemical-physical components that characterize them.

It is therefore of vital importance to preserve the characteristics of the different thermal waters, mitigating and preventing the side effects related to the presence of bacteria and pathogenic microorganisms that proliferate inside them.

Precisely with this in mind, Barchemicals has developed a line of products totally free of chlorine, aimed at the specific treatment of thermal waters and whose main purpose is to eradicate the conditions predisposing the formation of Biofilm, the main site for the development of pathogens (Legionella in first of all) insidious for the health of the waters and therefore of those who use them.





LEGIONELLA

PRODUCTS

BIOUNO

It is a formulation containing stabilized hydrated oxygen. BIOUNO is specially made for the treatment of thermal waters, as it does not alter the beneficial properties of the same and does not contain halogen derivatives such as Chlorine, Bromine, etc. BIOUNO is also indicated for the is synergized by the use of the product preventing contamination by BIOTRE which thanks to its very high Legionella spp. in the water circuits sanitary. BIOUNO owes its antibacterial action to the release of nascent oxygen when diluted in warm water, the release of oxygen interferes with the

sulfuric groups and the disulfide bridges that make up the bacterial membrane causing its lysis. The action of BIOUNO is completed with the interference on the respiratory chain of prokaryotes, due to the oxidation of the sulphurous loci. In the thermal baths the use of BIOUNO redox potential completely oxidizes the organic substance present in the tanks which could weaken the effect of BIOUNO.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202066	BIOUNO	FU 10 LT	-	600 lt

BIOERGIC

It is a multifunctional product with algacide action based on natural biopolymers with a high concentration, non-foaming, with a broad spectrum of action, particularly suitable for thermal pools.

BIOERGIC acts vigorously against algae, without giving rise to phenomena of

acquired resistance.

Thanks to its microfloculating action, it favors the elimination of those organic pollutants responsible for the proliferation of algae and bacteria, while keeping the water perfectly clear.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202062	BIOERGIC	FU 10 LT	-	600 lt

BIOTRE

It is a super-oxidant formulation in a solution based on purified potassium monopersulfate.

BIOTRE is specially made for the treatment of thermal waters, as it does not cause alterations of the properties beneficial of the same and does not contain derivatives such as Chlorine, Bromine etc. BIOTRE achieves, at the same concentration, redox values higher than those of other preparations based on Oxygen and halogens. BIOTRE at concentrations of use creates redox potentials higher than 900 mV ensuring complete oxidation of the organic substances present in the thermal bath.

The elimination of organic derivatives in the shock treatment with BIOTRE simultaneously determines the sterilization of the tank allowing an optimal manifestation of the antibacterial properties of other derivatives Oxygen that can be used in halogen thermal.

The treatments of the thermal baths with BIOTRE do not generate by-products that could compromise the tolerability for users and / or induce negative effects for the environment.



F.

Code	Description	Conf.	Pcs. / Cart.	Pallet Qty
860202070	BIOTRE	FU 10 LT	-	600 lt

BIOCHLOR



PMC (MEDICAL DEVICE SURGICAL)

Medical Surgical Unit PMC registration of the Ministry of Health No. 19916. BPR (Biocides) registration in progress for use PT 2, 3,4,5 VIRUCID (EN16777 EN14476)

It is a concentrated disinfectant solution titrated in free chlorine, intended for the disinfection of Gram positive and Gram negative bacteria including Legionella spp. of sanitary water circuits, cooling towers and the food, animal feed and agro-livestock industry and surfaces.

Main uses:

- Disinfection of surfaces or pipes of water systems used for the production, distribution, transport, conservation and consumption of food, feed and beverages for the control of contamination by Gram positive and Gram negative bacteria including Legionella spp.
- Chlorine coverage of water hot sanitary and cooling tower circuits.



F.

Code	Description	Conf.	Pieces / Cart	Pallet Qty
8602020004	BIOCHLOR - PMC n° 19916	BO 250 ML	10	650 pcs
860202015	BIOCHLOR - PMC n° 19916	BO 1 LT	20	300 pcs
860202017	BIOCHLOR - PMC n° 19916	FU 10 LT	-	400 lt



INSTALLATIONS

AERAUL ICI

INSTALLATIONS AERAULICI

The aerodynamic systems present in the premises, if polluted by Legionella, are the most difficult to treat for good and effective sanitization.

The guidelines issued by the Ministry of Health highlight why, as in this case, the design according to the recommendations of the guidelines themselves can avoid serious phenomena of infestations in the ducts later or during use.

Whether it is a heating system or a cooling system, it must be avoided

that stagnation of water may form inside the system (AHU or canalization). It is necessary to avoid that the Legionella bacterium can rest in these stagnations and proliferate.

Therefore, both the collection points, both the filters used for filtering the air itself, and the internal surfaces of the system must be treated to prevent Legionella clusters from developing, which then from here can infest the entire circuit to the adjacent rooms



LEGIONELLA

PRODUCTS

BIOZONOC 2 0

Biocide to be used for the treatment of condensate collections **BIOCIDO PT2**
(notwithstanding pursuant to Article 55)

Prepare a 1% solution of active ingredient.
The solution can be vaporized / nebulized with a special hot steam or cold fog machine, or applied by spray on the surfaces to be treated.



F.

Code	Description	Pack.	Pcs / Cart.	Pallet qty
220670010 BIOZONE C20		FU 10 LT	-	400 lt

BIOZONOLIGHTC 2 0

Biocidal agent based on hydrogen peroxide (1% active) to be used in solution or nebulized for the treatment of the internal surfaces of the aeraulic system, ready to use **BIOCIDO PT2**
(notwithstanding pursuant to Article 55)

Deliver the product as it is. It leaves no residue. The solution can be vaporized / nebulized with a special hot steam or cold fog machine, or applied by spray on the surfaces to be treated.



F.

Code	Description	Pack.	Pcs / Cart.	Pallet qty
220671010 BIOZONE LIGHT C20		FU 10 LT	-	400 lt

BIOSANDL

Bioactive agent based on ammonium polyquaternaries for the treatment of water stagnation in aeraulic circuits.



F.

Code	Description	Conf.	Pieces	Pallet Qty
220614030	BIOSAN DL	FU 10 LT	-	600 lt



PMC (MEDICAL DEVICE
SURGICAL)

PERFUMED ERGOSAN

PMC Medical Surgical Unit registered by the Ministry of Health n. 18129

Disinfectant based on quaternary ammonium salts. Ideal for washing and disinfecting filters in air circuits



F.

Code	Description	Pack.	Pcs / Cart.	Pallet qty
034001	ERGOSAN PERFUMED MINTED PINE	BO 1 LT	20 pcs	300 pcs
034011	ERGOSAN PERFUMED MINTED PINE	FU 10LT	-	600 lt
035011	ERGOSAN PERFUMED LIGHT	FU 10 LT	-	600 lt
035L11	ERGOSAN SCENTED LEMON	FU 10 LT	-	600 lt

SEPTISOL

75% w / w hydroalcoholic solution in isopropyl alcohol and 0.1% w / w benzalkonium chloride, for quick cleaning of fan heaters

F.



Code	Description	Pack.	Pcs / Cart.	Pallet qty
116003008	SEPTISOL	BO 1 LT Refill	4 pcs	288 pcs
116003006	SEPTISOL	BO 1 LT With Trigger	4 pcs	288 pcs
116003004	SEPTISOL	FU 10 LT	-	400 lt



DOSING SYSTEMS

DOSING SYSTEM

SMARTMEDICALSYSTEM

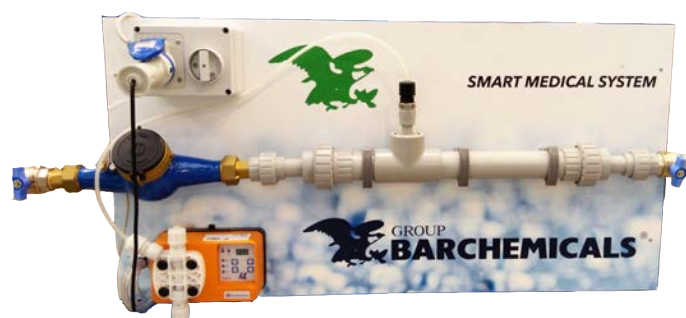
Continuous prevention

It integrates the Legionellosis Prevention and Control program. Continuous dosing systems made in compliance with the MIN. DECREE. SAN. February 7, 2012.

SMART MEDICAL SYSTEM

Special equipment for the proportional dosage of disinfectant agents such as BIOZONO Ag + DL / DL P or BIOCHLOR.

Thanks to the reactor with the presence of BIOVITRUM Ag + and its catalytic action, the disinfectant action of the active ingredient is amplified by exploiting the very high surface area created. Simple to install easy to use.



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Code	Description
280202008	SMART MEDICAL SYSTEM DEVICE - 1" for Biozono Ag + DL / DLP or Biochlor dosage

TANKS

G graduati perproducts

GRADUATED

chemists

Graduated tanks for chemical products in polyethylene, designed to allow direct application of both horizontal and vertical dosing pumps.

Filling cap, varies according to capacities: Ø 140 mm up to 250 Lt, Ø 215/315 mm up to 2,000 Lt.



INDICATIVE PHOTO
Graduated tank
black shirtless

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Code	Description
166202019	GRADUATED TANK WITH SHIRT 50 LT - BLACK COLOR - NEW!

LEGIONELLA

POMPAPERISTALTICAENGC HRONO

Pump with monthly or daily programmable timer for dosing biocide products (Biozono Ag + DL, Biozono Ag + DL P, Biosan DL Biochlor).



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Code	Description	Lt / hour	Bar
061216074	ENG-CHRONO Peristaltic Pump	5.4	1

MEASUREMENT AND ANALYSIS

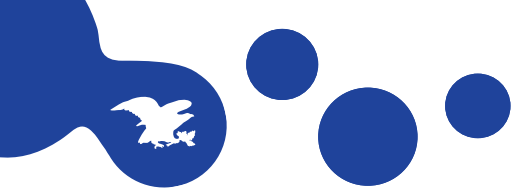
F.

Code	Description
440402646	QUANTOFIX -CART.INDICAT.PEROXIDES 100PPM CONF. 100
440402035	QUANTOFIX- CART.INDICAT. PEROXIDES 25PPM CONF. 100

F.

Code	Description
075002	POOL TESTER WITH CHLORINE / pH TABLETS
076020	SPARE PADS DPD1- RAPID- PZ 250 FOR POOL TESTER
076023	SPARE PADS DPD3- RAPID- PZ 250 FOR POOL TESTER
076027	SPARE PADS RED pH - RAPID- PZ 250 FOR POOL TESTER
076025	SPARE PADS DPD4- RAPID- PZ 250 FOR POOL TESTER
076021	SPARE PADS DPD 1 - for Photometer - Pack. from 250 pcs.
076022	SPARE PADS DPD 3 - for Photometer - Pack. from 250 pcs.
0760026	PHENOL RED REPLACEMENT PADS-for Photometer-Pack of 250 pcs.
0123056073	CHLORINE / pH DROPS TEST KIT
0123056072	REPLACEMENT DROPS OTO + RED PHENOL
079001	REPLACEMENT OTO DROPS 15 cc
079002	REPLACEMENT RED DROPS 15 cc





DDSEVOLUTION

CALCIUM HYPOCHLORITE IN BIOQUARK TABLETS

Dilution system and assay for BIOQUARK

Patented system of dilution and dosage BIOQUARK, tablets based on calcium hypochlorite (max 20 gr) with and without sequestering agent.

- Easy installation and use.
- Possibility to automate the dosages by combining the QTC-Evo (electrical panel with digital timer) or to automate the dosages by connecting it to a chlorine dosing unit.
- Low maintenance due to the lack of electrical and electronic parts.

- Complete dilution of the product. No smell.
- High chlorination capacity hourly.
- It works at atmospheric pressure and does not require a dosing pump, but uses a Venturi system.



DDS-EVOLUTION

For pools with a maximum capacity of 400 m³
Capacity of the product basket about 25 Kg PEV-Evo panel with flow meter 30/350 l / h max Venturi system Ø 1 "

Dimensions: H 90 cm x D. 50 cm
Weight: 10.5 Kg
Material: polyethylene.

DDS-EVOLUTION PLUS

For pools up to 1000 m³
Capacity of the product basket about 40 Kg PEV-Evo panel with flow meter 100 / 1.000 l / h max Venturi system Ø 1 " ½

Dimensions: H 110 cm x D. 50 cm
Weight: 13 Kg
Material: polyethylene

SYSTEM COMPONENTS



OPTIONAL



RELAUNCH PUMP

DDS EVOLUTION

Equipment where the product is diluted **SOLENOID VALVE PANEL** Water flow control device **VENTURI GROUP**

Hydraulic suction system

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Code	Description
12020207	DDS EVOLUTION + PEV 24V + VENTURI GROUP (Booster pump excluded)
12020205	DDS EVOLUTION PLUS + PEV 24V + VENTURI GROUP (Booster pump excluded)
8023406022	LUCAS PUMP 0.5 HP Single-phase (booster pump) (0.33 Kw)
8023406002	LUCAS PUMP 0.75 HP Single-phase (booster pump) (0.55 kw)

220 V solenoid valves on request

LEGIONELLA

DDS - 3 0 0 0 INDUSTRIAL

CALCIUM HYPOCHLORITE IN BIOQUARK TABLETS

Dilution system and assay for BIOQUARK

Patented BIOQUARK dilution and dosage system, calcium hypochlorite based tablets. Special model for obtaining highly diluted chlorinated solutions.

- Works at ambient pressure.
- Float level sensor. It is possible to manage several chlorination points at the same time using a single DDS 3000 INDUSTRIAL
- Capacity of the product basket over 50 Kg.
- Dimensions: maximum height 140 cm, maximum diameter 110 cm.
- Weight: about 20 Kg.



DDS 3000 INDUSTRIAL

Product basket capacity over 50 kg

Dimensions: maximum height 140 cm,
maximum diameter 110 cm

Weight: about 20 Kg

SYSTEM COMPONENTS

**DDS 3000 INDUSTRIAL**

Equipment where the product is diluted. It consists of: tank, basket for the product, stirrer, electronic level float, outlets for the chlorinated solution and drain.



SOLENOID VALVE PANEL PEV 3000 INDUSTRIAL Water flow control device. It is activated when the float determines the absence of chlorinated solution.

**DSC NEW**

Double Station Controller. Electronic control unit capable of managing up to two chlorination points at the same time. He supervises the preparation of the solutions and their dosage.

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Code

Description

120202059

DDS 3000 INDUSTRIAL + DSC + PEV 3000-24V

DDS - 3 0 0 0 GRANULAR

CALCIUM HYPOCHLORITE GRANULAR BIOQUARK

Dilution system and assay for BIOQUARK

Granular BIOQUARK system and dosage, product based on calcium hypochlorite.

- Works at atmospheric pressure
- Float level sensor Multiple
- chlorination points can be managed simultaneously using a single DDS 3000 Granular

- Loading hopper capacity approx. 25 kg
- New lid with anti-odor closure
- Avoid product packing
- Dimensions: maximum height 125 cm, maximum diameter 110 cm
- Weight about 25 kg



NEW!



DDS 3000 GRANULAR

Loading hopper capacity approx. 25 kg

12 V electric motor

Safety lock during loading

Dimensions: H 125 cm (maximum h including green hopper) x D 110 cm Weight about 25 kg

SYSTEM COMPONENTS



DDS 3000 GRANULAR

Equipment where the preparation and dilution of the chlorinated solution takes place.

It consists of: tank, product loading hopper, agitator, float, outlets for the chlorinated solution and unloading.



PEV 3000 SOLENOID VALVE PANEL

Water flow control device. It is activated when the level control float detects the absence of chlorinated solution.



DSC NEW

Electronic control unit capable of managing up to two tanks at the same time. He supervises the preparation of the solutions and their dosage.



SCU - SECURITY CONTROL UNIT

Security Control Unit

Device for dosing the granular product inside the DDS.

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Code

Description

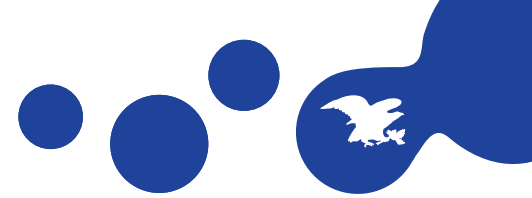
120202098

DDS 3000 GRANULAR + PEV 3000 + SCU

LEGIONELLA

ACCESSORIES

DOSERS



PUMP PNEUMATIC FJ 3/8

P ompe dosing for pisci in public and private

- Dosing pump for solution containing bottom body and abrasives. Flow rate: from 50 liters / hour to a maximum of 1200 l / hour with delta pressure 6 atmospheres
- Viton membrane.



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Code	Description
061402003	PNEUMATIC PUMP FJ 3/8

DOSING PUMP

P ompe dosing for pisci in public

- Flow rate: 10 ÷ 90 l / h
- Maximum pressure: 5 bar
- Motor: 0.06 kW - 3ph (IP55)
0.06 kW - 1ph (IP55)
- Frequency from 26 to 144 rpm
- Diaphragm diameter 70 mm
- Pump head: SS 316
PVDF
- Maximum temperature: SS 316 40°C
PVDF 40°C
- Dosage temperature ambient +5 ÷ +45 °C

A MEMBRANA ENG - EM

An private

- Temperature storage -10 ÷ +50 °C
- Small size - to facilitate installation
- Robust plastic outer case - guarantees ease of installation and durability
- Simple yet robust construction - providing ideal value for money
- 0.06 kw high efficiency motor with high flow rate 10-90 l / h

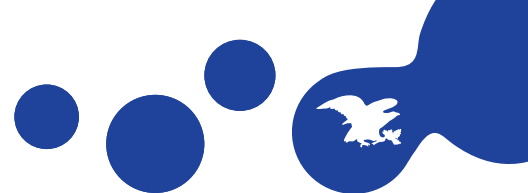


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Code	Description
061220066	PUMP DOS. MEMB. 90L / H-5 BAR - ENG-EM



SERVIZIO
ANALITICO



LEGIONELLA

ACCREDITED ANALYSIS AND CONSULTING SERVICE

The Barchemicals Analysis Laboratory is ACCREDIA accredited since 22/01/2021 with the accreditation number **1879 L**.

The Barchemicals laboratory offers an analysis and consulting service for water intended for human consumption, bathing water, thermal water, mineral water, cooling tower water, natural water, surface water and water intended for air humidification.

Carried out by qualified personnel at the Barchemicals Internal Laboratory (ISO 9001) with reference to the provisions of Table A of the State Regions Agreement; countersigned by Qualified Qualified Personnel enrolled in the Professional Orders (Order of Doctor of Chemists and Order of Doctor of Biologists).

ANALYSES WATER SPECIFICATIONS (A - B - MATRICES C)

Reference legislation: LLGG 07/05/2015 and regional transposition
UNI EN ISO 11731: 2017

H.

Code	Description
37000030	ANALYSIS - LEGIONELLE COUNT

ANALYSIS SPECIFICATIONS FOR UPERFICIDURE

H.

Code	Description
37000044	ANALYSIS - YEAST AND MYCETES



GENERAL CONDITIONS OF SALE

Pursuant to Article 1469 bis of the Italian Civil Code, the parties, after extensive discussion and negotiation, declare to regulate the current relationship, as well as any past relationship that has occurred, according to the following methods and conditions, which will equally apply to each supply and / or in any case the commercial relationship that will exist between the parties in the future.

1. ORDERS - BUYER INSOLVENCY - 1.1.) The buyer's order is valid as an irrevocable purchase proposal and is not binding for the seller who reserves the right to accept it in writing by its own or legal representative. The sales contract will be considered concluded only upon receipt by the buyer of the order confirmation from the seller's legal representative. 1.2.) With the acceptance of the order by the seller, the contract must be considered concluded and, in the event of failure to collect the goods, the buyer is considered to be in default and, therefore, will have to pay the 50% of the invoice, subject to greater damage. The contract must be considered concluded even in case of partial acceptance of the order, therefore failure to collect will entitle the seller to the penalty referred to in the previous paragraph to be calculated on the lower amount of the invoice. 1.3.) Any particular agreement relating to the supply covered by this order and the delivery terms, even if intervened with agents or appointed by the seller, does not bind the latter except in the case in which it is expressly accepted in writing by its legal representative. 1.4.) The total and / or partial execution of the order by the seller implies acceptance of the same. 1.5.) The purchaser's right to unilaterally withdraw from the order and the contract is expressly excluded. 1.6.) If, after the order has been confirmed, the seller becomes aware of protests, seizures, foreclosures and in general prejudicial acts against the buyer, or it becomes known that the buyer is in financial difficulty, the seller may, at his choice, suspend the contract and demand particular guarantees, or terminate the contract due to breach of the buyer, pursuant to art. 1456 cc, by means of a communication to be sent by registered letter with return receipt, or telegram, the exercise of this right does not give the buyer any right to compensation for damages or other. 1.7.) The minimum order accepted is € 250.00 + VAT. or telegram, the exercise of this right does not give the buyer any right to compensation for damages or other. 1.7.) The minimum order accepted is € 250.00 + VAT. or telegram, the exercise of this right does not give the buyer any right to compensation for damages or other. 1.7.) The minimum order accepted is € 250.00 + VAT.

2. PRICES AND PAYMENTS - 2.1.) The sale price, where not specified, is that of the seller's price list in force on the date of the conclusion of the contract. 2.2.) If the products are not received by the buyer at the time of their preparation and delivery, or the preparation or actual delivery was not possible for reasons beyond the control of the seller, the prices, if not already provided for in the order, will be subject to changes in the seller's price list and in any case to changes in the costs of materials and labor occurring from the time of preparation of the products up to the collection of the same by the customer or acceptance of the delivery. 2.3.) Taxes, duties, expenses relating to the issuance of bank bills or the eventual regularization of the contract are the responsibility of the buyer. 2.4.) Payments must always be made in the manner and within the terms agreed, in euros, in cash and at the seller's domicile. The latter has the right to also accept bills and bank checks, or authorize drafts or issue bank receipts. However, this does not in any case produce either novation of the original credit, or any prejudice to any pact of reserved ownership, or territorial change in the event of a judgment. 2.5.) Payments made to the seller's agents will not be released by the buyer unless previously authorized in writing by the seller. 2.6.) Late payments will accrue interest on arrears at the rate set out in art. 5 of Legislative Decree 231/2002 with effect pursuant to art. 4 of the same Legislative Decree 2.7.

3. DELIVERY - 3.1.) The delivery term is indicative and starts from the moment in which all the elements of the contract have been irrevocably provided and defined, provided that the buyer has promptly paid the overdue installments. 3.2.) If there are outstanding payments, even in relation to previous supplies, the seller has the right to suspend the execution of the contract until the payments have been made and suitable guarantees have been provided for the due installments. 3.3.) The delivery term is calculated in working days, and is adequately extended due to events not attributable to the seller such as strikes, trade union unrest, lockouts, fires, floods, waste of materials or processing, delayed deliveries by sub-providers, lack of motive power and other causes of force majeure. However, the delays that must occur with respect to the delivery deadline will never give rise to damage actions. 3.4.) The seller has the right to make partial deliveries. 3.5.) The delivery is in any case considered carried out, for all purposes, ex factory of the seller, at the expiry of the twentieth day from receipt of the registered letter with return receipt by which the seller herself has notified the buyer that the products have been prepared. From that moment all the risks of the goods are transferred to the buyer and the costs of storage, custody, maintenance and insurance are also at his expense. After twenty calendar days from the date of receipt of the aforementioned registered letter, without the customer having collected or having the products collected, or without the seller having been able to provide for the delivery, the same can arrange for the sale to the detriment of the buyer pursuant to art. 1515 cc.

4. MODIFICATIONS TO PRODUCTS - 4.1.) All data and characteristics contained in the seller's catalogs, price lists, illustrations, drawings, offers and advertising material in general are purely indicative and not binding for the latter. All the photographs shown in this catalog are purely indicative, therefore no compensation will be recognized if the material delivered is different from the images. 4.2.) The seller reserves the right to make any changes it deems necessary to its products, without any obligation to notify the purchaser, as long as the functionality of the product is not altered. 4.3.) The seller is not required to make any changes applied after the order to the goods already produced, or in the course of production, intended for the buyer.

5. PROHIBITION OF ACTION - 5.1.) For no reason or reason, the buyer may take legal action against the seller if he has not previously fulfilled the payments contemplated in the contract. 5.2.) The buyer declares in any case to renounce as of now to request damages or expenses deriving from the improper use of the goods, or occurring during the time necessary for the replacement, possibly authorized, of the same, or for the replacement itself.

6. SHIPPING AND TRANSPORT - 6.1.) The goods travel at the buyer's risk. 6.2.) The goods are always understood to be sold ex works of the seller and delivered by means of transport of the customer or his representative. Any interest of the seller in the search for the means of transport must be understood as explained on behalf and in the interest of the customer without any responsibility and / or cost borne by the seller. The possible incorporation of the transport price in the sale price or the "ex works" agreement does not constitute an exception to this clause. Therefore, the customer is responsible for any losses, damages, alterations to the goods and packaging for any reason or fact attributable to

carrier the seller has had to issue warranty statements. 6.3.) For no reason the customer can refuse to release the goods on arrival. 6.4.) When the buyer does not promptly specify the shipping method, it will be chosen by the sender, without any responsibility on the part of the seller. 6.5.) Any shipment made by the purchaser for disputed goods, to be replaced for exchange after authorization, must be carried out carriage paid - the seller's factory, otherwise remaining in the faculty of the seller to refuse receipt, with exemption from any liability.

7. TESTING - PRODUCT DEFECTS - WARRANTY - 7.1.) The buyer will be responsible for any accidents or damage caused to the seller's testers or to third parties, on the occasion or depending on the test, unless it is carried out at the seller's factory. 7.2.) The test will be carried out at the time of delivery; if it should be deferred due to the buyer's fault and fault, it will not take place, unless after payment, in advance, of the travel, labor and travel expenses. Upon completion of the test, the buyer is required to issue the seller with a written declaration of the results obtained. In the absence of the release of this declaration, the purchased good is unconditionally accepted without reservations. 7.3.) If the purchased good must not be subject to testing, at the time of delivery, the buyer will be required to diligently verify that it is free from defects. 7.4.) Any defects must be reported to the seller by registered letter with return receipt within eight days, which will start: a) from the test; b) if the test is not to be carried out, from the date of delivery; c) in the case of defects not likely to be detected following testing, or the aforementioned verification, from their discovery. Failure to comply with the aforementioned terms will result in the forfeiture of the guarantee action. 7.5.) All the seller's products are guaranteed for manufacturing defects according to the European and national regulations in force, or according to the additional guarantees recognized by the manufacturer. The warranty of the seller's products includes solely and exclusively the repair or replacement of defective parts at the seller's factory, not facing claims for compensation or other expenses; the warranty becomes invalid if the defects found result from incorrect treatment of the goods, or when the seller's products have been handled, repaired or modified outside the seller's workshops, or installed with materials or procedures that do not comply with the STANDARDS. 7.6.) The party that alleges the existence of a manufacturing defect must provide proof of the proper use of the product and, in this case, of the correct installation of the same. 7.7.) The costs of returning and returning the defective materials will be borne by the buyer. 7.8.

8. CONFIDENTIAL TITLE AGREEMENT - 8.1.) In the case of sale by installments, until the buyer has made full payment of the price, the goods supplied will remain the property of the seller and can be claimed by the same wherever they are, even if combined or incorporated into goods owned by the buyer or third parties, pursuant to art. 1523 and following of the cc. 8.2.) During the aforementioned period the buyer will assume the obligations and responsibilities of custodian of the things supplied and will not be able to alienate, give in use or pledge, move, let seize or foreclose such products without declaring ownership of the seller and without giving them immediate notice to the same by registered letter with return receipt.

9. DEFAULT OF THE BUYER - TERMINATION OF THE CONTRACT - 9.1.) Failure to pay two installments, even if not consecutive, of the agreed price by the established deadlines, will result in the buyer forfeiting the benefit from the term and the seller may suspend deliveries not yet executed and / or take action to obtain the entire price difference still due, or for the termination of the contract and / or any other sales contract in force between the parties, pursuant to art. 1456 cc, to be communicated by registered letter with return receipt. 9.2.) In this second case, the buyer must return the goods immediately, and must pay a penalty of Euro 50.00 per day for each day of delay in such return. 9.3.) Compensation for greater damage remains unaffected and the seller may also withhold the installments already collected as compensation, except for greater damage suffered.

10. ASSIGNMENT OF CREDIT - 10.1.) The buyer declares to accept as of now, pursuant to and by effect of art. 1264 cc, the possible assignment of the credit claimed by the seller from it to the factoring company or equivalent, expressly exempting it from any other notification burden, except for the confirmation of the transfer by registered letter with return receipt.

11. COMPLAINTS - COMMUNICATIONS - 11.1.) Complaints and disputes of any kind must be submitted to the seller's office. For the purposes of this order and the subsequent contract, the purchaser elects domicile in the place indicated in the title page of the order itself and all communications may be sent to that address, or to a different registered office, at the choice of the seller. 11.2.) In any case, the buyer must notify the selling party of any changes to their contact details and addresses within 15 days of the change.

12. APPLICABLE LAW AND COMPETENT JUDICIAL COURT - 12.1.) Whatever the nationality and residence of the purchaser, this contract is subject to the jurisdiction of the Italian judge. 12.2.) For any dispute, the exclusive competence of the Justice of the Peace or the Court of Modena is recognized, depending on the value. 12.3.) However, the seller will have the faculty to elect one of the other competent Courts according to the law.

13. TREATMENT OF PERSONAL DATA - 13.1.) Pursuant to Art. 10 of the law n. 675 of 31/12/1996, your personal data may be processed, meaning their collection, registration, organization, storage, processing, modification, selection, extraction, comparison, use, interconnection, blocking, communication, dissemination, cancellation and destruction, or the combination of two or more operations. 13.2.) These personal data will be processed for the following purposes: Management, accounting, tax, statistical, commercial, marketing, protection / management / credit transfer, as well as to meet the obligations of current legislation and for the purposes of financial evaluation in relation to the exact fulfillment of the obligations set out in the contract. 13.3.) The processing of personal data will take place using suitable tools to guarantee their security and confidentiality and can be carried out both on paper and through IT tools. We also inform you that in relation to the aforementioned treatments, you may exercise the rights referred to in Art. 13 of Law no. 675/96 below. 13.4.) The data may be communicated and disseminated to: § Commercial agents, suppliers, customers, couriers and forwarding agents, collaborators, companies and entities with commercial and marketing purposes; § Credit institutions, financing institutions, leasing companies, credit collection and protection companies, factoring companies, insurance companies, brokerage companies; § Professional firms (legal and commercial), data processing companies, consulting companies, statistical company; § Our subsidiaries, associates or in any case associated companies. 13.5.) The data of the interested party may also be communicated and transferred abroad in compliance with the provisions of the law. 13.6.) The company declares to have read the information contained in this communication and Art. 13 of the law n. 675/96 and gives consent to the processing of personal data in relation to the purposes indicated therein. 13.7.) He also declares to express his consent to the communication and dissemination of data for the purposes referred to in this information, including promotional and advertising initiatives aimed at indeterminate subjects.) The data of the interested party may also be communicated and transferred abroad in compliance with the provisions of the law. 13.6.) The company declares to have read the information contained in this communication and Art. 13 of the law n. 675/96 and gives consent to the processing of personal data in relation to the purposes indicated therein. 13.7.) He also declares to express his consent to the communication and dissemination of data for the purposes referred to in this information, including promotional and advertising initiatives aimed at indeterminate subjects.) The data of the interested party may also be communicated and transferred abroad in compliance with the provisions of the law. 13.6.) The company declares to have read the information contained in this communication and Art. 13 of the law n. 675/96 and gives consent to the processing of personal data in relation to the purposes indicated therein. 13.7.) He also declares to express his consent to the communication and dissemination of data for the purposes referred to in this information, including promotional and advertising initiatives aimed at indeterminate subjects. 675/96 and gives consent to the processing of personal data in relation to the purposes indicated therein. 13.7.) He also declares to express his consent to the communication and dissemination of data for the purposes referred to in this information, including promotional and advertising initiatives aimed at indeterminate subjects.



THESE EXPERIENCES, A UNIQUE AREA



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