

# Laboratorio Pyam S.A.

Water Purification Tablets and powders





**PYAM®**

LABORATORIO PYAM S.A.

Water purification tablets & powders



**Safe water.  
Healthier lives.**

**Agua Segura.  
Vidas más sanas.**

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• Laboratorio Pyam هي شركة ادويه مقرها الارجننتين , ومنذ عام 1991 وهي تقوم بتوفير اقراص تنقيه المياه , حل بسيط للوقايه من الامراض المتعلقه بالمياه , ولتسهيل توفير مياه امنه ونظيفه للمناطق الماهوله بالسكان الاقل , حضا حول العالم

• اماكن التصنيع متوافقه مع GMP و WHO وحاصله على شهاده الايزو 9001 وشهاده NSF  
• تمت الموافقه على منتجات Pyam من قبل الامم المتحده منذ عام 2006

• كل منتجات Pyam تحتوي على ماده NaDCC كماده فعاله ( تمت الموافقه عليها من منظمه الصحه العالميه فى 2003 )

• منتجات Pyam مستخدمه فى اكثر من 60 دوله وثبتت فعاليتها فى عمليات الانقاذ والاغاثة خصوصا فى افريقيا واسيا وامريكا اللاتينيه.



## Summary



- Laboratorio Pyam is a Pharmaceutical company based in Argentina. Since 1991 provides water purification tablets and powders, a simple solution for the prevention of water related diseases, allowing and facilitating the access to safe water to the less favoured populations around the world
- The manufacturing site complies with GMP WHO, and is certified under ISO 9001 and NSF ansi Std 60.
- Since 2006, Pyam products have been approved by United Nations.
- Since then, Dicopack S.A. (Pyam Exporter company) holds an LTA with Unicef to supply Pyam products.
- All of Pyam products use NaDCC as active ingredient (Approved by W.H.O in 2003)
- Pyam Products have been used in more than 60 countries, and were found very efficient in most of the humanitarian aid & emergencies, mainly in Africa, Asia and Latin America





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[www.laboratoriopyam.com](http://www.laboratoriopyam.com)





• اقراص / بودره تعقيم المياه للاستعمال الادمى

الاسم التجارى : Pyam



• مطهر حيوى واسع الانتشار للاستعمال فى المستشفيات

الاسم التجارى : Mediclean

• بودره لتطهير المياه للاستعمال البيطرى

الاسم التجارى : Agropyam



## Our Product Portfolio



Water Purification tablets/ Powders for Human use. Brand: Pyam



Wide Spectrum Biocide for hospital use. Brand: Mediclean



Water desinfectant powders for animal use. Brand: Agropyam.

## مميزات Pyam

- البودره والاقراص الفواره تحتوي على ماده ( NaDCC ( Sodium Dichloroisocyanurate ) كماده فعاله
- استخدام NaDCC كمطهر للمياه للاستعمال الادمى تمت الموافقه عليه فى 2003 من قبل منظمه الصحه العالميه
- الجرعه سهله وامنه و بدون الحاجه الى غلى الماء
- عند ملامسته للماء Pyam يطلق حمض Hypochlorous acid اقوى قاتل للبكتريا والميكروبات تاركا المياه خاليه من الميكروبات
- ذات فعاليه عاليه للتخلص من الامراض المنقوله عن طريق المياه
- منتجات Pyam غير سامه ولا يوجد لها اى اضرار جانبيه حتى عند الاستعمال الخاطىء
- صغيره وسهله النقل مما يقلل من تكلفه النقل
- سهله التخزين
- مده الصلاحيه من 3 الى 5 سنوات



## Pyam Products - Advantages



- Effervescent tablets and powders containing Sodium Dichloroisocyanurate (NaDCC) as a key active ingredient.
- The use of NaDCC as water disinfectant for human use, was approved by WHO in 2003.
- Exact, safe and simple dosage, without need to boil water.
- In contact with water, Pyam releases hypochlorous acid, most powerful germicide and bactericide; leaving the water free of microorganisms.
- Highly effective in preventing waterborne diseases.
- Pyam products are non-toxic and have no side effects; even when misused.
- Small and easy to transport, reducing logistic costs.
- Simple storage and handling.
- Extensive shelf life between 3 and 5 years.



# Product presentations



Water Purification tablets/ powders for Human use.



## Water Purification tablets/ powders for Human use.



### Pyam Pots

Pyam Tablets for 1-3 liters of water (NaDCC 19 mg.)



### Pyam Strips

Pyam Tablets for 1 liter of water (NaDCC 8.5 mg.)  
 Pyam Tablets for 4-5 liters of water (NaDCC 33 mg.)  
 Pyam Tablets for 10 liters of water (NaDCC 67 mg.)  
 Pyam Tablets for 20 liters of water (NaDCC 167 mg.)



### Pyam Pouches

Pyam Powders for 20 liters of water (NaDCC 170 mg.)  
 Pyam Powders for 1000 liters of water (NaDCC 10 g.)  
 Pyam Powders for 5000 liters of water (NaDCC 30 g.)



### Pyam Disinfectant

Pyam Tablets for surface disinfection (NaDCC 1.67 g.)





# Product presentations



Water Purification tablets/ powders for Human use.



- Water Purif. Tablets (NaDCC 19mg) for 1/3 litres - pots (220 tablets each pot)
- Water Purif. Tablets (NaDCC 8,5mg) for 1 litre - strips (10 tables per strip)
- Water Purif. Tablets (NaDCC 33mg) for 4/5 litres - strips (10 tablets per strip)
- Water Purif. Tablets (NaDCC 67mg) for 10 litres - strips (10 tablets per strip)
- Water Purif. Tablets (NaDCC 167mg) for 20 litres - strips (10 tablets per strip)
- Water Purif. Tablets (NaDCC 1,67g) for 200 litres - pots (200 tablets each pot)
- Water Purif. Powders (NaDCC 170mg) for 10/20 litres of water (in Sachets)
- Water Purif. Powders (NaDCC 9,5g) for 500/1000 litres of water (in Sachets)
- Water Purif. Powders (NaDCC 29g) for 5000 litres of water (in Sachets)



الاستعمالات الشائعة :

- تحضير مياه شرب آمنه
- تطهير الفواكه والخضراوات
- تطهير زجاجات الاطفال
- تحضير الالبان الصناعيه والماكولات
- تحضير محاليل الجفاف عن طريق الفم
- قسم التسويق :
- معالجه المياه المنزليه
- تخيف الكوارث والطوارئ
- استخدامه فى القوات المسلحه وقوات حفظ السلام
- السفر والتخييم

## Water Purification Products



### Common Uses / Market segment



#### Common Uses

- Preparing of safe Drinking water
- Disinfecting fruits and vegetables
- Disinfecting baby bottles and teats
- Preparing of powder milk / food
- Preparing of Oral Rehydration Salts



#### Market Segment

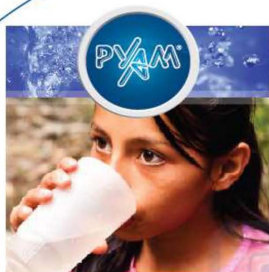
- Household water treatment
- Emergency and Disaster Relief
- Peacekeeping - Military forces
- Travel and camping

# Pyam - Easy to use



## How to use the PYAM® Products

(i.e.: Tablets for 1 liter of water (NaDCC 8.5 mg.))



For drinking water\*



ADD 1  
TABLET PER  
LITER OF WATER.



WAIT  
30 MINUTES  
BEFORE USING.



WATER IS FIT  
FOR DRINKING, PREPARATION  
OF FOOD AND INFUSIONS.

Cleaning of fruits and vegetables\*



ADD 2  
TABLETS PER  
LITER OF WATER.



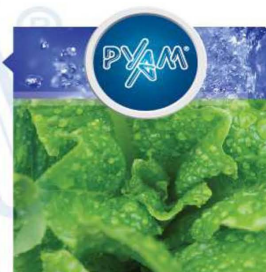
SUBMERGE IN  
THE SOLUTION.



KEEP IN  
THE SOLUTION FOR  
30 MINUTES.



PRODUCT READY  
TO BE CONSUMED.



Washing of Utensils, Teats and Baby Bottles\*



ADD 2  
TABLETS PER  
LITER OF WATER.



SUBMERGE IN  
THE SOLUTION.



KEEP IN  
THE SOLUTION FOR  
30 MINUTES.



PRODUCT READY  
TO BE USED.

\*IN CASE OF TURBID WATER, FILTRATION IS RECOMMENDED USING A CLEAN CLOTH.

# Product presentations



## Wide Spectrum Biocides for Hospital use / disinfection



- Pot with 100 tablets (NaDCC 2,5g).
- Granules in pot (NaDCC 500g).

## Water desinfectants powders for animal use.



- Powders for 500/1000 litres of water (in sachets)
- Powders for 5000 litres of water (in sachets)



- : Mediclean استخدام اماكن
- المستشفيات
  - المعامل
  - مراكز الاسنان
  - غرف الطوارئ
  - مراكز الغسيل الكلوى ونقل الدم
  - المستشفيات بصفه عامه
- : Pyam استخدام مطهرات
- المصانع والمخازن
  - المطاعم والمطابخ
  - مراحيض المياه والمحطات العامه

## Water disinfectant products



### Common Uses



#### Where to use Mediclean?

- Hospitals.
- Laboratories.
- Odontological centers.
- Emergency rooms.
- Dialysis and transfusion centers.
- Medical institutions in general.

#### Where to use Pyam Disinfectants?

- Industries, factories, warehouses.
- Restaurants, kitchens, canteens.
- Public Stations, Bathrooms .

# Water disinfectant products



## Recommended concentrations for Disinfectant Solutions

TABLETS OF 2,5 g. OF NaDCC (each Tablet releases 1550 ppm of chlorine per liter of water)



	Nº OF TABLETS	LITERS OF WATER	AVAILABLE CHLORINE (ppm)
High risk of infection	3	1	4.650
Medium risk of infection	1	2	775
Low risk of infection	1	5	310

USE	EXAMPLES	RECOMMENDED CONCENTRATION OF MEDICLEAN SOLUTION
Disinfection of non-critical areas	Hallways, changing rooms stretchers, kitchens, etc.	200-300 ppm
Disinfection of critical areas	Laboratories, nurseries, O.R., intensive care rooms, etc.	700-1000 ppm
Disinfection of highly contaminated areas	Disinfection of surfaces with high infection risk, transfusion centers, dialysis centers, etc.	4000-6000 ppm
Cleaning of bloodshed and derivatives	Disinfection of objects and surfaces contaminated by blood, blood plasma, serum, etc.	10000 ppm

## How to use MEDICLEAN (i.e.: Areas with high risk of infection)





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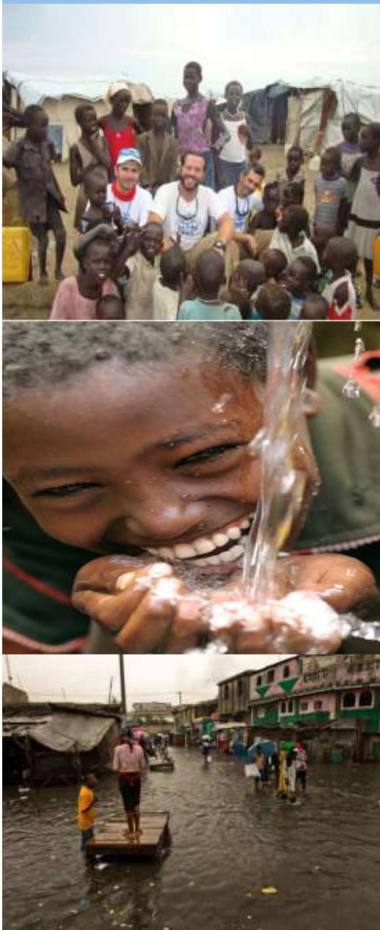
Water purification tablets & powders.



## Key Customers



- UNICEF
- UNDP / PNUD
- Cascos Blancos (White Helmets)
- WFP / PMA
- PAHO / OPS
- Red Cross / IFRC
- AECID
- Argentine Government (Ministry of Health, Ministry of Social Security)
- Other National governments (Haiti, Bolivia, Ecuador, etc.).
- Argentine Armed Forces (Army and Navy)
- Private Distributors
- Other NGOs around the world





الاستجابة للطوارئ:

- الانتاج العالى وذلك لتلبية سريعه للاحتياجات
- التعبئة وطريقه الاستخدام طبعت باستخدام 4 لغات مختلفه
- الكميات جاهزه للتسليم مع وجود مرجعيات جاهزه
- كميات للطوارئ موجوده فى الارجننتين وبنما وكوبنهاجن ومناطق حيويه اخرى
- فتره الصلاحيه من 3 الى 5 سنوات



17

## Response to Emergencies

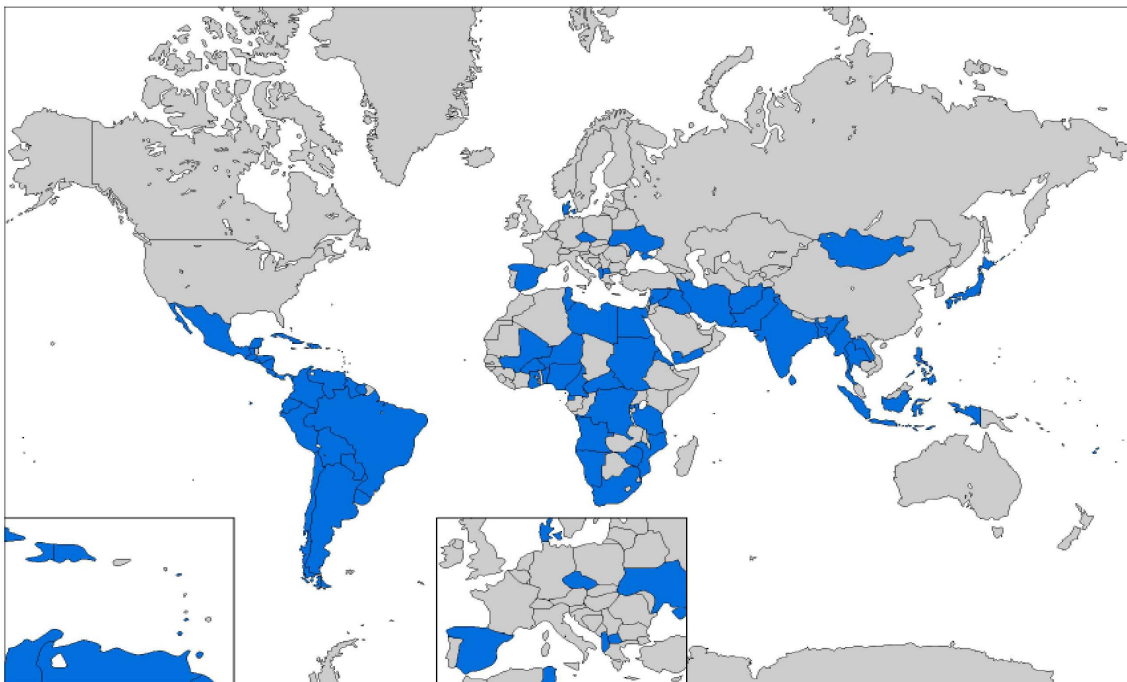
- High production Capacity for an immediate response.
- Packaging - Instructions of Pyam products printed in 4 languages.
- Stocks ready to deliver on standard references.
- Emergency stocks in Argentina, Panamá, Copenhagen and other strategic areas.
- Product shelf life - from 3 to 5 years.



## Use of Pyam Products



- Pyam Products have been used in more than 60 countries, specially in Latin America, Africa and Asia



# Pharmaceutical G.M.P. factory



## Quality / Certifications



- ISO 9001:2008.
- NSF/ANSI Std. 60.
- GMP Pharmaceutical Products (WHO Technical report Series 961)
- Unicef Inspection Approval.
- ANMAT (Argentina Regulatory Organization) authorizations for all products.
- Industrial / Health / Environmental - Local registrations.





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