Welcome to our company

VERA
ITALIANA

INDEX

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INTRODUCTION

Who We Are?

Founded in 2025, VERA has extensive experience in multiple fields. With branches spread throughout Egypt, the company has become a major player in numerous sectors. VERA consistently strives to do its utmost in all its fields, which has strengthened its reputation across all its operations.
Our company is one of the market leaders, distinguished by its diverse business areas and integrated services, making it a distinguished model in the modern business world. Since its founding, the company has relied on a strategic vision aimed at expansion and innovation in multiple fields, including: trade, industry, technology, contracting, logistics services, etc.).

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Vision

At VERA, we are committed to developing the latest developments in all fields. By incorporating continuous technological innovation, we strive to become leaders in our fields. Our vision aligns with our 2030 strategic plan, which focuses on ensuring a clean and sustainable environment for future generations. We are committed to meeting our customers' needs with speed, precision, and the highest levels of quality, while contributing to building a healthier and more sustainable world.

Goals and Aspirations

At VERA, our primary goal is to achieve complete customer satisfaction by delivering high-quality services and innovative water solutions.

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We strive to offer competitive pricing within the water technology sector while expanding our presence and market shareacross Egypt.

VERA ITALIANA

We are committed to building a unified, cohesive organization that works collaboratively to drive success.
Additionally, we prioritize enhancing our after-sales services to ensure our customers receive the highest level of support and peace of mind throughout their journey with us.

Our Story

We are VERA, your partner for delicious and wholesome eating

Freshly Preserved

We're proud to offer a premium selection of canned beans, canned vegetables, frozen vegetables, and frozen fruits, all meticulously packed at their peak to lock in natural goodness, vibrant flavor, and exceptional quality.

Trusted Convenience

We understand what today's consumers demand: convenience, transparency, and products you can trust.
That's why every item from VERA is crafted to not just meet, but exceed your expectations for taste, health, and ease.

Naturally Convenient

From quick weeknight meals to healthy snacks, we make it simple to enjoy the best of nature, conveniently delivered to your table. Experience the difference that fresh thinking, diverse offerings, and a commitment to your satisfaction can make

Our activities

VERA ITALIANA

VERA foods (Premuim Quality)

Import& Export (import & Export activity)

Manufacture Service (Manufacturing)

Operation Service (Operations and Maintenance)

Panorama shakshouk Resort Elfayoum
From 2011 to 2014

The company owns hotels in Mohandessin and Dokki.

Holidays Express Hotel

Holidays Express Hotel is the ideal choice for travelers seeking comfortable and affordable accommodations in a central location in Cairo. It strikes a good balance between comfort, location, and services to meet the needs of both business and leisure travelers.

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The hotel features a private entrance with a stunning view

Standard rooms, superior rooms, junior suites, and executive suites

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A restaurant serving international and oriental dishes.

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Clean and well-equipped rooms

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The hotel is located in a prime location.

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The hotel features a spa and sauna

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For more information & reservation :

📞 Mobile: (+2) 01019191906 -
(+2) 01026006112

✅ Whatsapp: (+2) 01019191906

🌐 Web site : www.holidaysexpresshotel.com

📧 Reservations@holidaysexpresshotel.com

Kanzy Hotel

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Kanzy Hotel in Dokki located in the heart of Dokki, Giza Governorate. It is a great choice for visitors looking for a comfortable stay close to Cairo's tourist attractions.

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Enjoy a private and elegant entrance.

Rooms are air-conditioned and very clean

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Private restaurant and cafe on a large area

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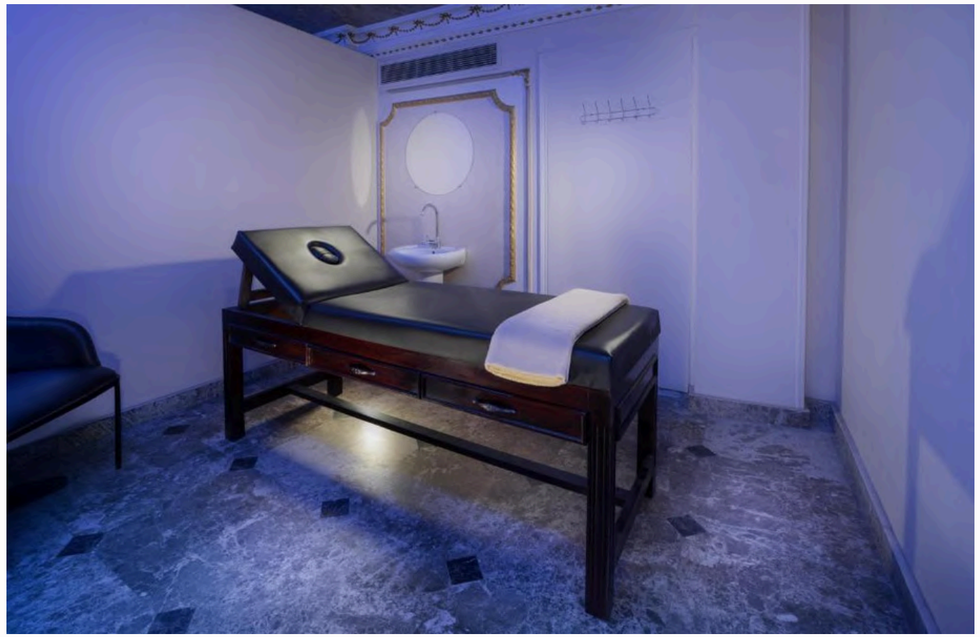
The hotel is clean and quiet.



It has a spa and sauna

Owning Al-Andalus Private Schools in Fayoum

مدارس الأندلس الخاصة

Founded in 1992


بر الوالدين مفتاح الجنة

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بر الوالدين مفتاح الجنة
العلم نور ونور الله لا يهدى لعاص

Manarat Al-Andalus Private Schools Complex in Fayoum

VERA ITALIANA

مدارس منارة الاندلس الخاصة

Founded in 2005

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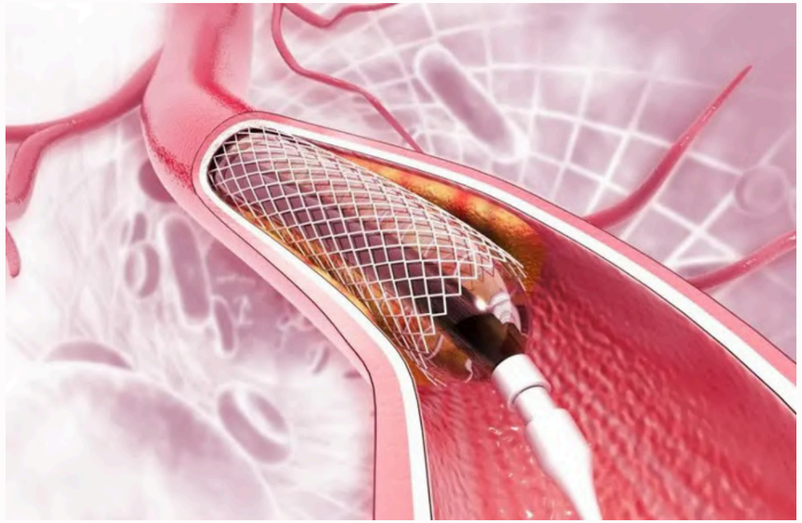
Medicines, medical supplies, stents and heart valves



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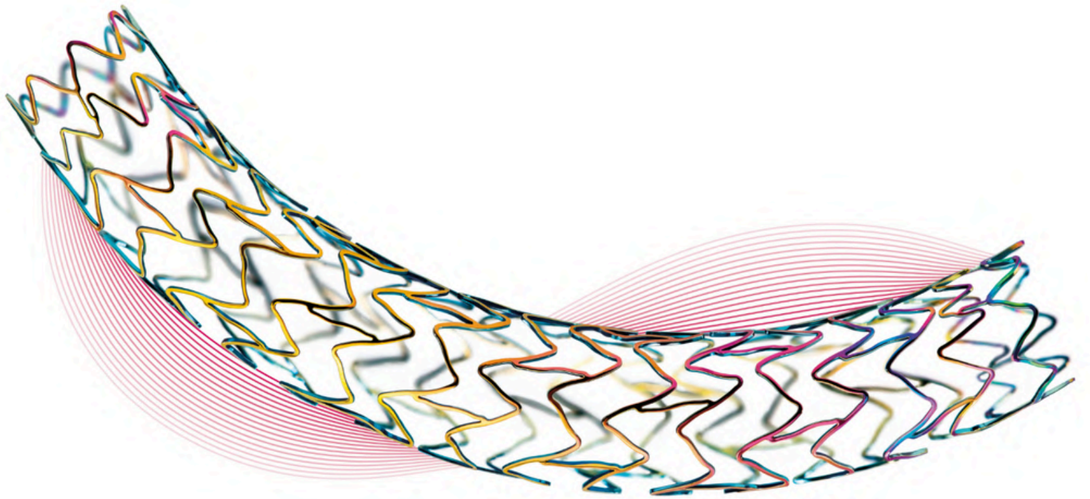
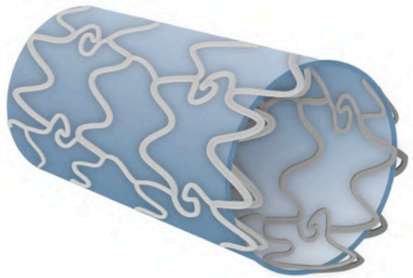
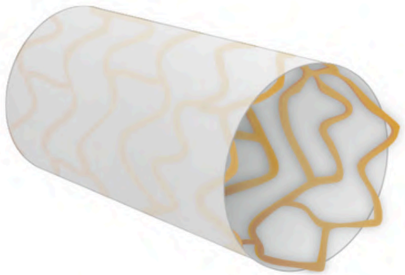




Traditional sandwich
design stent



PK Papyrus
Covered single stent design

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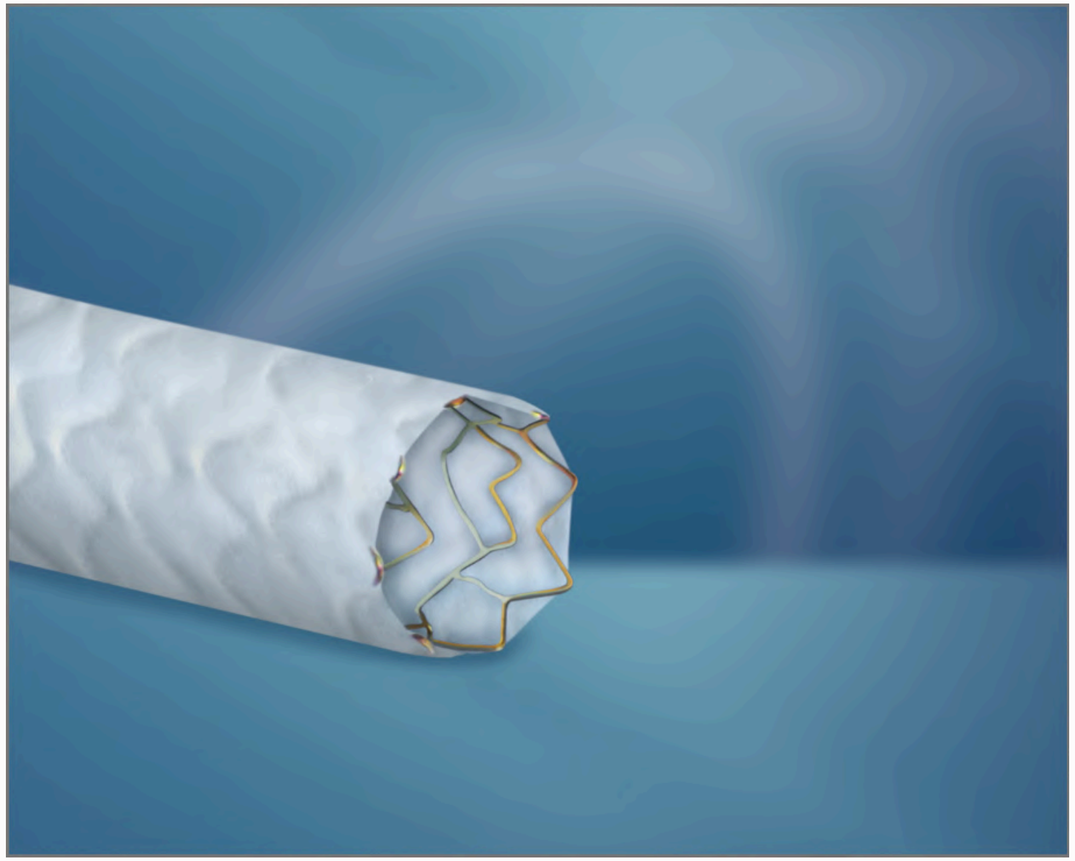
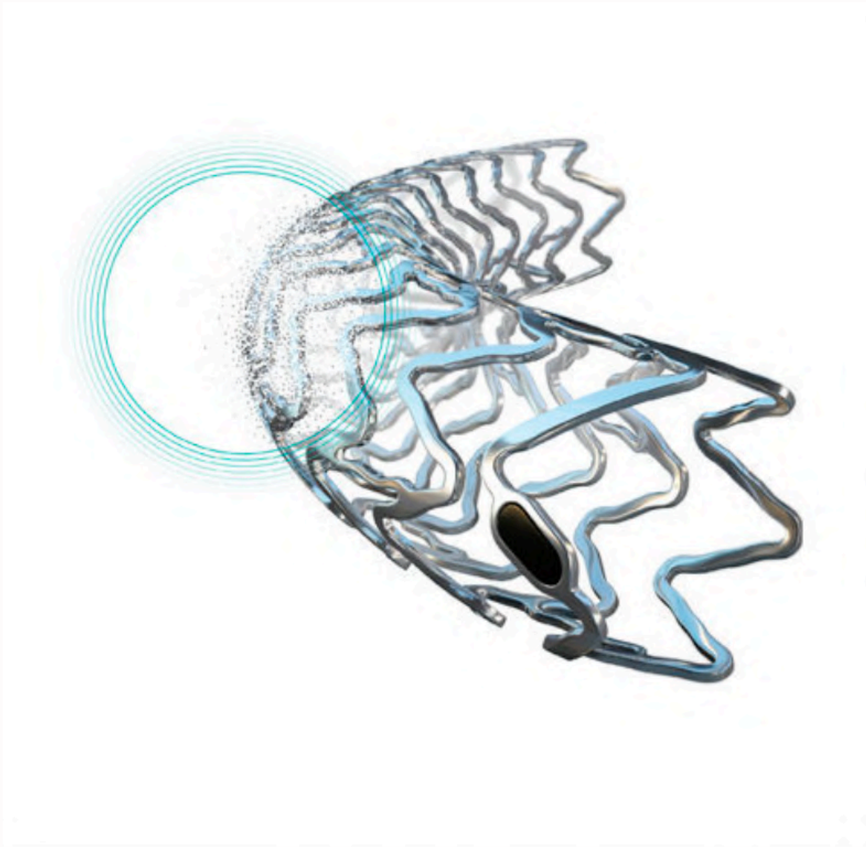
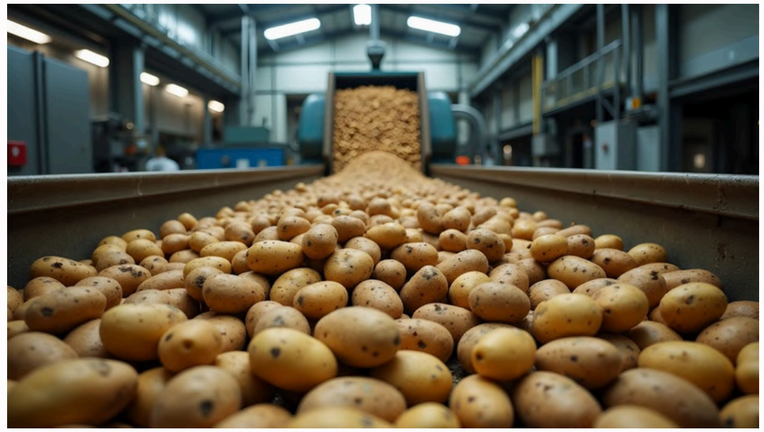




Potato factory



Attention to potato cultivation with a high degree of quality and professionalism

We're excited to announce the official launch of our new French Fries product category, now available to our valued consumers and customers.
This exciting addition to our menu is a testament to VERA FOODS' Owned by SPHINX SQUARE unwavering commitment to delivering exceptional quality, taste, and culinary precision.

Our French fries are produced using a meticulous and rigorous process that begins with the careful selection of premium potato varieties, ensuring consistent texture and superior flavor. Each potato undergoes precise cutting and preparation, followed by expertly controlled cooking techniques designed to achieve that perfect golden, irresistibly crisp exterior while maintaining a fluffy, tender interior. This dedication at every stage of production, from the disciplined approach in our VERA FOODS facility Owned by SPHINX SQUARE to the final golden fry, guarantees a consistently satisfying product that meets the highest standards of freshness and consistency. We're confident this new offering will enhance your dining experience, and we invite you to discover the VERA FOODS difference that genuine care and quality make.

company of Vera Foods

Water and Food Technology

Agricultural crops

such as Urea and
its concentrations
60%, 40%, and 26%

Product name: Urea Granular Grade: Agricultural grade

Origin: Egypt

Granular Urea Specifications		
Typical Chemical Analysis		
Parameter	**Unit**	**Actual value**
Total nitrogen, as N	Wt. %	46.0 % min
Biuret content	Wt. %	1.0 % max
Moisture, as H_2O (Fischer method),	Wt. %	0.3 % max
Formaldehyde	Wt. %	0.55 % max
Free ammonia	ppm	100 ppm max
pH (100 g/l at 20 °C)		~ 9
Iron	ppm	1.0 ppm max
Ash	ppm	20 ppm max
Other heavy metals	ppm	Nil
Typical Physical Properties		
Parameter	**Unit**	**Actual value**
Color		Standard White or Pure White
Odour		Odorless
Particle size distribution	Wt. %	2- 4.5 mm.....95 % min
Crushing strength (3.15 mm granule)	Kg	3.0 kg min
Bulk density	Kg/m^3	760-800
Boiling		Decomposes before 132 °C
Melting point	°C	around 132 °C
Radiation	Certified fully non-radioactive	
Quality	Free flowing, treated with anti-caking and free from harmful substances	

SAFETY DATA SHEET
GRANULARE UREA

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE(PREPARATIO ***Date : 01 /01 / 2020***
COMPANY/Supplier

1.1 Identification of the substance / mixture (preparation)
Commercial name: Urea ,Granular Fertilizer Grade
Chemical name: Urea , Carbamide
Synonyms : Carbonyl Diamine , Carbonyl Diamide
Chemical Formula : CH4N2O
Chemical Family : Aliphatic Amide (Aliphatic)
Registration number: according to Reach regulation for Urea and Formaldehyde are :-

Urea	01-2119463277-33-0069
Formaldehyde	01-2119488953-20-0055

1.2 Use of the substance / mixture (preparation)
Fertilizer,Crop Nutrient, technical purposes.
1.3 Company / supplier identification
Manufacture :Helwan Fertilizer Company
1081 Kornish El Nil St.,Garden City,Cairo,Egypt.
Tel.& Fax : (+202)27957684,27957642 ,27957621
E-mail hfc01@hfcegypt.com
Sales administral : 29739032 -(+202)25430308 / 176 ,(+202)25430313/176
only representative :CS3 GmbH Grauertstr 12 . D - 81545 Munich Germany represented by Managing Director Dr.Reinhard Joas
Person responsiple for the MSDS Enviroment Health and Safety Departement
Previous issue date : september,04,2017 Revision date 01/01/2020
1.4 Emergency Telephone Number In case of accident: (+202)25430313 / 117

2. HAZARD IDENTIFICATION

2.1 Classification of the substance / mixture (preparation)
Product is not classified as adangerous according to the criteria of Regulation (EC) No 1272/2008 and Product is not classified as dangerous according to the Egypt regulation and (EC) Regulation (Directive 67/548/EEC or Directive 1999/45/EC)

HMIS	
H	1
F	0
R	0
PPE , Sec. 8	

2.2 Information pertaining to particular dangers for human
Substance is a normal product of metabolism. Dust is irritating to eyes, skin and respiratory mucous membranes.Chronic effects may cause respiratory or skin diseases.
2.3 Information pertaining to particular dangers for the environment
Not applicable.
2.4 Other adverse effects
Hardly flammable substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	EINECS	REACH #	%
Urea	57-13-6	200-315-5	MJ276045-34	97-99
Biuret	108-19-0	------	------	< 1.0
Urea.reaction product with formalde	68611-64-3	236-918-5	------	0.3-0.4
Free formaldehyde	50-00-0	200-001-8	TX 276054-00	< 0.10
Water	7732-18-5	------	------	< 0.30

4. FIRST AID MEASURES

4.1 General advice

In case of health troubles or doubts, seek medical advice immediately and show this Material Safety Data Sheet. Ensure activity of vitally important functions until the arrival of the doctor (artificial respiration, inhalation of oxygen, heart massage). If patient is unconscious, or in case of danger of blackout (apsychia), transport patient in a stabilised position. In case of first degree burns (painful redness), and second degree burns (painful blisters), cool the affected area with cold running water for a long time. In case of third degree burns (redness, cracking pale skin, usually without pain), do not cool affected skin, dress the area with sterile dry gauze only.

4.2 Inhalation

Remove patient to fresh air, flush out his mouth and nose with water, keep him warm and in order to rest quietly. Avoid walking. In case of problems seek medical advice.
SYMPTOMS AND EFFECTS: mucous membranes irritation, coughing, headache.

4.3 Skin contact

Immediately take off all contaminated clothing and footwear. Flush effected area with copious quantities of lukewarm water and soap or with another suitable cleaning agent (if the skin is not injured). Use a mild cream to treat skin after complete washing. In case of problems seek medical advice
SYMPTOMS AND EFFECTS: irritation, reddening.

4.4 Eye contact

Immediately flush eyes with clean lukewarm water and continue flushing for at least 15 minutes – keep the eyelids widely apart and flush thoroughly with mild water stream from the inner to the outer canthus. Seek medical advice.
SYMPTOMS AND EFFECTS: irritation, reddening, pain, clouded vision.

4.5 Swallowing

If patient is conscious and without convulsion, flush out mouth with water, do not try to induce vomiting. Give 1-2 pulverized pills of activated carbon in a small amount of water. Never give anything by mouth to an unconscious person, just put patient into a stabilised position. If vomiting occurs spontaneously, put patient into a stabilised position to prevent aspiration of vomits. Seek medical advice.
SYMPTOMS AND EFFECTS: abdominal pain, emesis, diarrhoea.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Water spray, foam.

5.2 Extinguishing media to be avoided

Not applicable.

5.3 Caution about specific danger in case of fire and fire-fighting procedures

Thermal decomposition liberates toxic substances(ammonia ,carbon dioxide ,cyanuric acid and oxides of nitrogen).

5.4 Special protective equipment for fire-fighters

Wear full protective clothing and self-contained breathing apparatus.

5.5 Special remarks on explosion hazards

May be explosive when mixed with hypochlorites.Forms nitrogen trichloride which explosive spontanously in air

6. ACCIDENTAL RELEASE MEASURES

6.1 Person-related safety precautions

Isolate hazard area. Evacuate all unauthorised personnel not participating in rescue operations from the area. Avoid entry into danger area. Remove all possible sources of ignition. Stop traffic and switch off the motors of the engines. Do not smoke and do not handle with naked flame. Use explosion-proof lamps and non-sparking tools. Avoid contact with the substance. Apply recommended full protective personal equipment to paralyse the accident.

6.2 Precautions for protection of the environment

Prevent from further leaks of substance. Enclose and dike area. Do not allow substance to enter soil, water and sewage systems. In case of substance discharge to water courses or water containers, inform water consumers immediately, stop service and exploitation of water. Do not flush spilled material into drains.

6.3 Recommended methods for cleaning and disposal

Sweep up spilled material and place into suitable dry container for further treatment or later disposal. Dispose of under valid legal waste regulations. Flush contaminated area with water or water with detergent after substance removal.

7. HANDLING AND STORAGE

7.1 Information for safe handling

Observe all fire-fighting measures (no smoking, do not handle with naked flame and remove all possible sources of ignition). Wear recommended personal protective equipment and observe instructions to prevent possible contact of substance with skin and eyes and inhalation. Avoid leak to environment.

7.2 Information for storage

Storerooms should meet the requirements for the fire safety of constructions and electrical facilities and should be in conformity with valid regulations. Store in cool, well-ventilated place with effective exhaust, away from heat and all sources of ignition. Store in areas protected from direct sunshine and weather influence. Do not store together with food, feedingstuffs or oxidizing agents. Do not store or blend with ammonium nitrate.Dry urea and dry ammonium nitrate will react together to produce sluury.Avoid substance leakage into surface and ground water. Avoid leak to environment.

7.3 Information for specific use

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Egyptian regulation : no limits set

European Union (Directive 2006/15/EC): no limits set

AIHA Workplace Enviromental Exposure Limits: 10mg/m3 TWA for urea as inhalable dust.

OSHA PEL : 15 mg/m3 for particulate Not Otherwisw Regulated.

8.2 Occupational exposure controls

Collective protection measures

General and local ventilation, effective exhaust, fire-fighting measures

ndividual protection measures

Personal protective equipment (PPE) for the protection of eyes, hands and skin corresponding with the performed abour has to be kept at disposition for the employees. In cases, where the workplace exposure control limits cannot be observed with the help of technical equipment or where it is not possible to ensure that the respiratory ystem exposure does not represent a health hazard for the personnel, adequate respiratory protection have to be ept at disposition. In the case of continuous use of this equipment during constant work, safety breaks have to e scheduled, if the PPE-character requires this. All PPE have to be kept in disposable state and the damaged or ontaminated equipment has to be replaced immediately.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT (PPE):

respiratory protection: anti-dust respirator, self-contained breathing apparatus

eye protection: safety goggles, full face-shield

hand protection: protective gloves

skin protection: protective coveralls (impregnated), sealed footwear

General safety and hygienic measures: Observe personal hygienic regulations.Take off immediately all contaminated clothing.Do not eat, drink or smoke during work! Wash thoroughly hands and uncovered body parts with soap and water after handling and before eating or drinking, and treat skin with

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

- Physical state at 20°C: granular solid
- Colour: white,
- Odour: odourless to slightly ammoniacal

Odour threshold : 25 ppm(ammonia in air)

Taste : saline

9.2 Important health, safety and environmental information

- pH-value (10% solution): 8.0-8.5
- Boiling point [°C] : decomposition at 135 oC
- Flash point (granules)[°C] : to 600 no inflammation
- Flash point (settled dust) [°C] : to 600 no inflammation
- Inflammability : hardly flammable
- Explosion limits - lower (dust) [Vol.%] : at energy 9 kJ and 0,1 kJ no explosion
  - upper [Vol.%] : not applicable
- Oxidising properties: none
- Vapour pressure at 20°C [kPa] : not applicable
- Specific gravity [kg.m-3] : ~770 (water = 1)
- Solubility : soluble in cold or hot water
- Partition coefficient n-octanol/ water [log Kow] : -2,11
- Viscosity at 20°C [mPa.s] : not applicable
- Vapour density (air=1): not applicable
- Evaporation rate not applicable

9.3 Other information

- Melting point / solidification point [°C] : 132,7
- Ignition temperature (granules) [°C] : to 600 no ignition
- Ignition temperature (settled dust) [°C] : to 600 no ignition
- Ignition temperature (turbid dust) [°C] : to 800 no ignition
- Glowing temperature (granules) [°C] : to 600 no glowing
- Glowing temperature (settled dust) [°C] : to 600 no glowing
- Fire point [°C] : 223
- Calorific value (granules) [MJ.kg-1] : 8,7
- Calorific value (dust) [MJ.kg-1] : 8,7
- Heat class: T1

10. STABILITY AND REACTIVITY

10.1 Chemical stability

Stable under normal storage and handling condition

10.2 Possibility of hazard reaction

Exposure to elevated temperature,fire,excess dust generation and incompatible material.

10.3 Conditions to avoid

Heating above decomposition temperature, moisture.

10.4 Material to avoid

Strong oxidizing agents, strong bases, sodium hypochlorite, calcium hypochlorite, sodium nitrite, phosphorus pentachloride.

10.5Hazardous decomposition products

Urea decomposes upon heating and can form products including ammonia,oxides of nitrogen,biuret,carbon dioxide and cyanuric acid.

11. TOXICOLOGICAL INFORMATION

11.1 Acute effects

Substance is a normal product of metabolism. Dust is irritating to eyes, skin and respiratory mucous membranes.
Inhalation: mucous membranes irritation, coughing, headache.
Eyes: irritation, reddening, pain, clouded vision.
Skin: irritation, reddening.
Swallowing: abdominal pain, emesis, diarrhoea.
Acute toxicity
LD50 oral - rat : 8471 mg.kg-1
Acute irritation
Skin: human: 22 mg / 3 days - MLD (mild)

11.2 Repeated dose toxicity

Chronic effects may cause respiratory or skin diseases.

11.3 Sensitisation

It has no sensitisation effects.

11.4 CMR effects (carcinogenity, mutagenicity, toxicity for reproduction)

It has no CMR effects.

11.5 Toxicokinetics, metabolism, distribution

Not applicable.

12. ECOLOGIÇAL INFORMATION

12.1 Ecotoxicty

EPA Ecological Toxicity rating :
Acute Toxicity to Fish: 96 -h:(Barillius barna)LC50 = > 9,100 mg/L.
Chronic Toxicity to Fish: No data available
Acute Toxicity to Aquatic
Invertebrates: (Daphnia magna): 24 - h EC50: > 10,000 mg/L .
Toxicity to Aquatic Plants: (Scenadesmus quadricauda) 192-hr cell multiplication inhibition test-TT>10,000 mg/L.
Toxicity to Bacteria: (activated sludge): No data available
Toxicity to Soil Dwelling Organisms:
Applications of nitrogenous fertilizers to grassland for long period may have deleterious effects on earthworms in the absence of liming.
Toxicity to Other Non-Mammalian Terrestrial Species:
(Pigeon)- Subcutaneous-LDLO=16,000 mg/kg. Since Urea is a fertilizer, it may promote eutrophication in waterways. Non-toxic to aquatic organisms as defined by USEPA.
Ecotoxicity:
Toxicity to Terrestrial Plants: 7 days exposure to 0 mg urea / leaf - leaf-tip necrosis

12.2 Persistence and degradability

Product is ultimately biodegradable .
product of degredation: ammonia,nitates,nitrogen oxides(NO,NO2),carbon dioxides(CO,CO2)and water

12.3 Bioaccumulative potential

With regard to log Kow value and bio concentration factor BCF < 10, bioaccumulation in organism is not expected.

12.4 Mobility

Not applicable.

12.5 Other adverse environmental effects

Stability in water: T1/2 > 1 year. Transport: 0.16% in air; 99.84% in water
Biochemical oxygen demand BOD5 9%
Dissolved organic carbon decrease 85,9% / 5 days

13. DISPOSAL CONSIDERATIONS

13.1 Recommended disposal methods for the substance / mixture (preparation)
Product reuse or disposal in accordance with valid waste legislative regulations.
Recommended method: dumping on a controlled waste dump
Classification according to Waste Catalogue on the basis of waste attributes at the time of its origin.
Recommended classification according to Waste Catalogue: 06 10 99

13.2 Recommended disposal methods for contaminated packaging
Contaminated packaging flush out and reuse material or energy (combustion).

13.3 Waste management measures that control exposure of humans and environment
Proceed in accordance with valid health, air and water legislative regulations.

13.4 Waste regulation
Egyptian regulation
Regulation No 04/1994 establishing the Waste Catalogue, as amended.

14. TRANSPORT INFORMATION

14.1 Transport classification
Urea is not listed as hazardous material by U.S Departement of transportation (DOT),Transport Canda(TC),International Maritime organization(IMO) and United Nation and IATA

14.2 Special transport precautionary measures
Not applicable.

15. REGULATORY INFORMATION

15.1 Chemical Safety Assessment
Not applicable.

15.2 Labelling of the substance / mixture (preparation)
Not applicable (product is not classified as dangerous according to the Egyptian regulation. and Regulation (EC) No 1272/2008 (Directive 67/548/EEC or Directive 1999/45/EC).

15.3 Regulatory Data relating to the substance / mixture (preparation)
European Union
Regulation (EC) No 1907/2006 REACH
Regulation (EC) No 1272/2008
EPA Regulations:
RCRA Hazardous Waste Number (40 CFR 261.33): Not listed
CERCLA Hazardous Substance (40 CFR 302.4): No
CERCLA Reportable Quantity (RQ): Not Applicable
SARA 311/312 Codes: Yes-Acute
SARA Toxic Chemical (40 CFR 372.65): No
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): No
SARA EHS Threshold Planning Quantity (TPQ): Not Applicable
CAA/RMP (Toxic Substances) (40 CFR 68.130): No
CAA/RMP (TQ): Not Applicable
OSHA Regulations:
Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): This product is not listed; however, the exposure levels for nuisance dust are applicable. OSHA and ACGIH nuisance dust exposure levels are given below:
OSHA PEL(TWA) ACGIH TLV(TWA)
Nuisance Dust(total): 15 mg/m3 10 mg/m3
Nuisance Dust(respirable): 5 mg/m3 3 mg/m3
Process Safety Management (29 CFR 1910.119): No
PSM Threshold Quantity (TQ): Not Applicable
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): This product and all its components are on the Domestic Substances List (DSL) and acceptable for use under the provisions of CEPA.
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

16. OTHER INFORMATION

Information communication in accordance with Article 32 of the Regulation (EC) No 1907/2006 (REACH)
Product is classified as product without dangerous properties. From this reason, in compliance with Article 31 of the REACH Regulation, no obligation to provide Safety Data Sheet (SDS) applies.
This document, by which we perform our obligation to provide information to the customer in accordance with Article 32 of the REACH Regulation, has been elaborated in good faith in accordance with the Annex II of the REACH Regulation. The content of SDS, however, does not necessarily have to correspond with the REACH requirements, as these have been formulated for substances and preparations, which are classified as dangerous.
Fulfilling the obligations related to Regulation (EC) No. 1907/2006 - REACH

SOCIAL RESPONSIBILITY

VERA ITALIANA

VERA is committed to positively impacting society by enhancing our efforts to meet community needs.
We actively support charitable initiatives, contributing to a more sustainable and prosperous future

VERA
ITALIANA

OUR SCOPE

Industrial wastewater

treatment Sewage

treatment Desalination

OUR PRODUCTS

In industrial waste management, the G-WASTE system offers a comprehensive solution to all industrial waste challenges.
For sewage treatment, we utilize advanced systems including MBBR, MBR, and SBR to ensure efficient and effective treatment.

Mechanical Treatment

SLUDGE BRIDGE

- Clarifiier Hot Dip galvanized Bridge AlSI316 peripheral driven
- scrubber immersed power: 400V/50HZ
- Motor production: IP55
- Insulation Class: F
- Diameter: 25M
- Side water Depth: 3.12M

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POLYMER PREPARATION UNIT

- Production Rate: 1000 L/hof polymer solution
- Solution Concentration: 0.05% to 0.5%
- Chambers: Three Chambers
- Material: Stainless Steel(SS304/SS316) or HDPE
- Dimensions: 2 m × 1 m × 1.5 m
- Speed: 50–150 RPM Power: 0.5–1 kW

VERA
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DAF SYSTEM

- Technology is utilized to remove oils grease solids and suspended flocculants that don't possess sufficient buoyancy to float
- Micro-bubbles (30 to 50 micron range)
- It includes a single movement separator which rotates against the hydraulic flow of the water helping minimize the skimming distance of the floated sludge and eliminating solids carry-over

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CENTRIFUGE TANK

- Separate solid particles from liquid suspensions through the centrifugal force facilitating efficient dewatering of sludge and production of clarified liquid effluent

- **DEWATERING SCREW PRESS**

- **DOSING PUMPS**

VERA
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- **BELT PRESS**

- **CONTROL HEAD**

Physical Treatment

MBBR

- The MBBR technology involves developing biomass and producing high-quality liquid waste using compact reactors, enabling the use of treated wastewater for fire-fighting or secondary irrigation purposes

MBBR System compact unit

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AIR DIFFUSER

- The Air diffuser used in water to transfer oxygen, support aerobic, processes, promote microbial growth, degrade organic matter, improve mixing, control odors, suspend solids, and regulate temperature.

SBR

- In this technique, the process is run in batches and all the different conditions are achieved in the same reactor but at different times

Biological Treatment

BAR SCREEN

- General design criteria
- Bar width:1/4 to 5/8 inches
- Spacing:5/8 to 3 inches .
- Depth:1 to 1.5 inches .
- Slope: 30-45 from the vertical

VERA
ITALIANA

Multimedia filter

- Operating pressure:1 bar
- Maximum pressure :5 bar
- Material: fiber glass
- Coating: fiber glass
- Media type :sand, gravels and carbon

VERA
ITALIANA

G-WASTE SYSTEM

- Specification
- Temperature:60 degrees
- Operation: automatic
- PH Range: 2-14
- Power: 380V

- HIGH FLOW FILTER

- VESSEL

- DRUM FILTER

Other PRODUCTS

RO SYSTEM

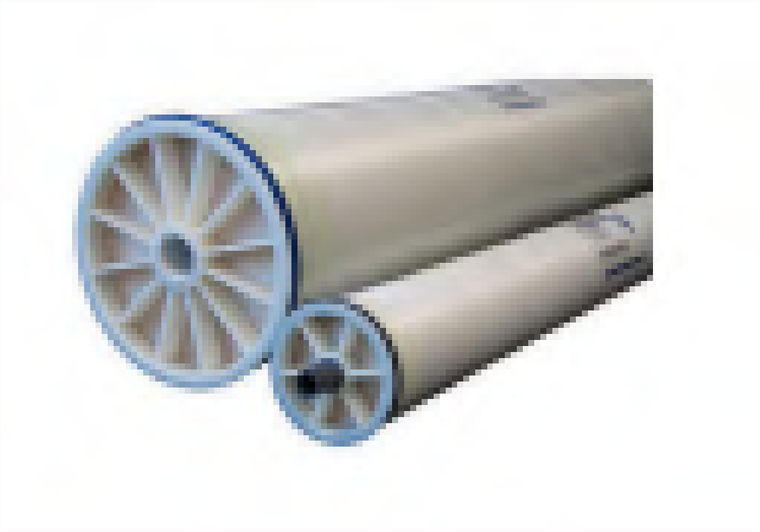
- Ro system removes most of dissolved solids from water with porosity 0.001 microns Also have an effect on bacteria and virus removal

THE COMPONENTS

WATER PURIFICUTION SYSTEM

WATER SOFTENER

RO MEMBRANE



CHEMICALS TREATMENT

VERA ITALIANA

The company also provides the following chemical materials:

Activated carbon

Sodium hypochlorite

Sodium hydroxide

Poly Aluminum chloride

Aluminum sulfate

VERA ITALIANA

The company also provides the following chemical materials:

- Resin
- Cationic Polymer
- Anionic Polymer

OUR SERVISE

- Water desalination devices for all stages, including single, dual,triple, quadruple, quintuple, sextuple, septuple, and more.
- Water purification and desalination plants for all purposes.
- All types of charged multi-grade sand filters.
- Various sizes and capacities of micron filters.
- All types of resin, iron, and manganese removal units.
- All types and sizes of osmotic pressure membrane housings.
- All sizes of micro-filter housings.
- All types of chemicals used in treatment processes.
- Design of plants for various purposes and applications.
- Maintenance of all types of intermediate filters.
- Maintenance of all types of plants.

VERA
ITALIANA

- Various sizes of bacterial filters.
- RO desalination plants.
- Various models and brands of head control systems.
- Manual head control systems.
- Osmotic pressure membranes in different energies, models, and brands.
- UV light bulbs.
- All types of pumps used in stations, both horizontal and vertical.
- All types of chemical injection pumps.
- All types of containers (vessels) in various sizes and brands.

Other services provided by VERA

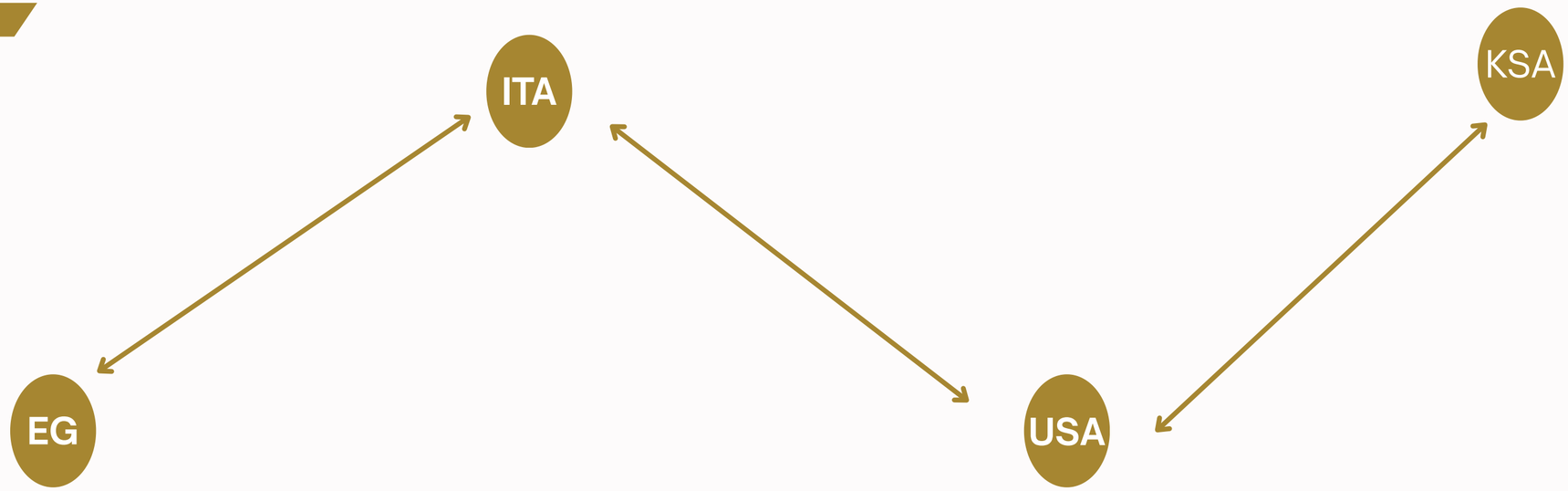
1
Maintenance of treatment plants

2
supplying chemicals

3
We provide home filters

4
Providing spare parts for treatment plants

Countries served by VERA



Water treatment

General Description

This product is a cation exchange resin with a sulphonic acid group (-SO3H) on a styrene-divinylbenzene copolymer cross-linked at 8%. Its acidity is comparable to that of inorganic acids such as sulphuric acid and hydrochloric acid, and it displays ion exchange functions in alkaline, neutral and even acidic media.

Typical Physical & Chemical Characteristics	
Functional group	-SO3H
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Total Capacity in Volume(mmol/mol)	≥2.0
Particle Size range 0.315-1.25(mm)%	≥95
Moisture Content (%)	42-48
Uniformity Coefficient(max)	≤1.6
Shipping Weight(g/ml)	0.78-0.88
Whole Spherical Rate After Attrition(%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

Attention

The resin needs a certain water content, and the resin should be prevented from losing water during storage and storage. If it is found that the resin has lost water and become dry, the resin should be placed in full Soak the resin in salt water to make it expand slowly, and then gradually dilute the concentration of salt water.

Prevent the resin from freezing or heat. If the ambient temperature is lower than 5℃, the resin can be soaked in a certain concentration of salt water to reach the temperature of 5 to 40℃. If the ambient temperature is lower than 5℃,the resin can be soaked in a certain concentration of salt water for the purpose of preventing freezing. If the ambient temperature is higher than 40℃, the resin can be stored indoors and protected from light.

General Description

This product is a cation exchange resin with sulfonic acid groups (-SO_3H) on a 12% cross-linked styrene-divinylbenzene copolymer. It has excellent physical stability and antioxidant properties.

Typical Physical & Chemical Characteristics	
Functional group	-SO_3H
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥4.0
Total Capacity in Volume (mmol/ml)	≥2.25
Particle Size range 0.315-1.25 (mm)%	≥95
Moisture Content (%)	36-44
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.80-0.90
Density (g/ml)	1.27-1.35
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+
	100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

This product is a cation exchange resin with sulfonic acid groups (-SO_3H) on a 12% cross-linked styrene-divinylbenzene copolymer. It has excellent physical stability and antioxidant properties.

Typical Physical & Chemical Characteristics	
Functional group	-SO_3H
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥4.0
Total Capacity in Volume (mmol/mol)	≥2.25
Particle Size range 0.315-1.25 (mm)%	≥95
Moisture Content (%)	36-44
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.80-0.90
Density (g/ml)	1.27-1.35
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

This product is an ion exchange resin with a sulphonic acid group (-SO3H) on a polymer matrix with a styrene-diethylene-benzene copolymer cross-linked structure. Its acidity is comparable to that of inorganic acids such as sulphuric acid and hydrochloric acid, and it displays ion exchange functions in alkaline, neutral and even acidic media.

Typical Physical & Chemical Characteristics	
Functional group	$-SO_3H$
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥4.5
Total Capacity in Volume (mmol/mol)	≥1.9
Particle Size range 0.315-1.25 (mm)%	≥95
Moisture Content (%)	45-50
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.77-0.87
Density (g/ml)	1.25-1.29
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

This product is an ion exchange resin with a sulphonic acid group (-SO3H) on a polymer matrix with a styrene-diethylene-benzene copolymer cross-linked structure.

Used for hard water softening, pure water and high-purity water preparation, rare element separation, pharmaceutical and chemical industry.

Typical Physical & Chemical Characteristics	
Functional group	$-SO_3H$
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥5.0
Total Capacity in Volume (mmol/mol)	≥1.20
Particle Size range 0.315-1.25 (mm)%	≥95
Moisture Content (%)	60-70
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.72-0.82
Density (g/ml)	1.12-1.20
Whole Spherical Rate After Attrition(%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

This product is an ion exchange resin with a sulphonic acid group (-SO3H) on a polymer matrix with a styrene-diethylene-benzene copolymer cross-linked structure. Its acidity is comparable to that of inorganic acids such as sulphuric acid and hydrochloric acid, and it displays ion exchange functions in alkaline, neutral and even acidic media.

Typical Physical & Chemical Characteristics	
Functional group	$-SO_3H$
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥4.5
Total Capacity in Volume (mmol/mol)	≥1.9
Particle Size range 0.5-1.25 (mm)%	≥95
Moisture Content (%)	45-50
Uniformity Coefficient (max)	≤1.4
Bulk Density (g/ml)	0.77-0.87
Density (g/ml)	1.25-1.29
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

High purity grade conventional gel polycation exchange resin.

It is used for hard water softening desalination, sugar solution desalination, antibiotic extraction, separation and purification, biochemical drugs, etc.

Equivalent to Amberlite IR122,Purolite C100×10

Typical Physical & Chemical Characteristics	
Functional Group	$R\text{-}SO_3^-$
Ionic Form	Na^+
Physical Appearance	Brownish yellow spherical beads
Polymer Matrix Structure	Styrene-divinylbenzene
Total Capacity in Volume (eq/l min)	≥2.2
Particle Size range 0.3-1.2 (mm)%	≥95
Moisture Content (%)	38-45
Uniformity Coefficient (max)	≤1.6
Shipping Weight (g/ml)	0.82-0.87
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions		
Operating Temperature (max. °C)	140 Na+	
	120 H+	
Operating PH-range	0-14	
Regenerant Concentration	H+	3% HCl or 2 to 3% H_2SO_4
	Na+	6% to 8% NaCl or 3% NaOH
Regenerant Flow Rate	2-4 BV/h	

General Description

This product is a cation exchange resin with sulfonic acid groups (-SO_3H) on a 16% cross-linked styrene-divinylbenzene copolymer. It has excellent physical stability and antioxidant properties.

Typical Physical & Chemical Characteristics	
Functional group	-SO_3H
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥3.8
Total Capacity in Volume (mmol/mol)	≥2.4
Particle Size range 0.315-1.25 (mm)%	≥95
Moisture Content (%)	30-40
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.85-0.95
Density (g/ml)	1.30-1.35
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

This product is an ion exchange resin with a sulphonic acid group (-SO3H) on a polymer matrix with a styrene-diethylene-benzene copolymer cross-linked structure. Its acidity is comparable to that of inorganic acids such as sulphuric acid and hydrochloric acid, and it displays ion exchange functions in alkaline, neutral and even acidic media.

Typical Physical & Chemical Characteristics	
Functional group	$-SO_3H$
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥4.5
Total Capacity in Volume (mmol/mol)	≥1.9
Particle Size range 0.45-1.25 (mm)%	≥95
Moisture Content (%)	45-50
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.77-0.87
Density (g/ml)	1.25-1.29
Whole Spherical Rate After Attrition (%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

General Description

This product is an ion exchange resin with a sulphonic acid group (-SO3H) on a polymer matrix with a styrene-diethylene-benzene copolymer cross-linked structure.
Used for hard water softening, pure water and high-purity water preparation, rare element separation, pharmaceutical and chemical industry.

Typical Physical & Chemical Characteristics	
Functional group	$-SO_3H$
Ionic Form	Na^+
Physical Appearance	Brown to tan spherical granules
Polymer Matrix Structure	Styrene-divinylbenzene
Mass Exchange Capacity (mmol/g)	≥4.5
Total Capacity in Volume (mmol/mol)	≥1.35
Particle Size range 0.315-1.25 (mm)%	≥95
Moisture Content (%)	55-65
Uniformity Coefficient (max)	≤1.6
Bulk Density (g/ml)	0.70-0.80
Density (g/ml)	1.12-1.20
Whole Spherical Rate After Attrition(%)	≥95

Packaging

•25L/Bags •1ft3 Bags •1 ft3 Drums •1 ft3 Boxes •Super sack(1000L)

Suggseted Operating Conditions	
Operating Temperature (max. °C)	120 Na^+ 100 H^+
Operating PH-range	1-14
Regenerant	4-5% NaOH,4-5% HCl
Operating Flow Rate (approx.m/h)	15-30

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Thank You!

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