

ORS Product

Oral Rehydration Salts Product (ORS)

History with ORS Ready to Drink Tetra Pak 200ml

- ORS (Oral Rehydration Salts) solution proved its efficacy during the late 1960s with cholera and diarrhoea. According to the WHO fact finding study in November 2004, 88% of diarrhoeal disease cases are attributed to unsafe water supply, inadequate sanitation and hygiene. The same study also shows that improved water supply reduces diarrhoea morbidity to 6% from 25%, when including severe outcomes.
- Earlier ORS powder was the only source of treatment where the ORS powder was to be dissolved in water which is supposed to be boiled and then cooled before consumption. But it was observed that everyone does not boil water and just dissolves the ORS powder in the available water which might be already contaminated, eventually leading to more dehydration & diarrhoea. The right quantity of powder was not been taken as the measurement of water was inadequate.
- Halewood being specialised in ORS powder came up with a unique product to overcome the above issues and came up with ORS ready to drink (RTD).

History with ORS Ready to Drink Tetra Pak 200ml

- The reason to develop this product was to remove the need of boiling of the water for ORS, to provide right dose (osmolarity) of WHO recommended formula of ORS and make it more acceptable to children by improving the taste by adding interesting flavours.
- Water is the most important ingredient of this product and it needs to be absolutely safe to solve the purpose of this invention. So the water used for this product goes through 4 stages of filtration, followed by reverse osmosis and UV treatment to make the water absolutely safe for ORS.
- Additionally, this product ensure that the osmolarity in the solution is maintained at the WHO recommended value of 245 mOsmol/lit. This ensures that the patient is administered a solution that is compliant with WHO standards.

The Products Halewood innovated

After intensive research, innovation and trials we came out with below mentioned products which had the right formula, right osmolality and right effect:

1. ORS (Oral Rehydration Solution) ready to drink- WHO Recommended Formula.
2. ORS / Oral Rehydration solution with real Juice
3. Electrolyte Drink (Modified ORS Formula)
4. Glucose ready to drink – with 20gm of glucose in 200 ml
5. Plant based Protein drink (a extremely unique product to give right amount of protein and nutrients from 100% natural source)

ORS helps to stay hydrated

Diarrhoea causes dehydration which depletes the essential fluids and salts of the body. RTD ORS, which is a W.H.O. recommended formulation, replenishes the body fluids lost due to dehydration, thus helps keep the patient hydrated. With RTD ORS, you do not need to hunt for water to mix ORS.

**Why RTD
ORS**

**Right amount of Ingredients +
Safe Water**

Halewood Innovative Technology

Aseptic Packaging

ORS RTD

How do we make it different ??:



Specialty of RTD ORS in Tetra Pak cartons



1. ORS ready to drink- WHO recommended formula

Key points for ORS RTD:

- ○ **Works well for person suffering from dehydration**
 1. Recover excess loss of glucose or salt from body.
 2. Replenishing the blood with the required minerals or electrolytes
- **Helps in treating diarrhea**
 1. ORS is must for homes with babies or kids as children are more susceptible to conditions like diarrhea.
 2. Maintaining the water as well as mineral balance of the body
 3. Given for three to four days, even if he cannot eat or drink any other food
- **A good choice for athletes and trainers**
 1. Easy to carry; Ready made solution.
 2. keep Hydrated.

➤ Available in various flavors
It is categorized as a medical food in USA



Net Contents	200ml
Sodium Chloride IP	0.52 g
Potassium Chloride IP	0.30 g
Sodium Citrate IP	0.58 g
Dextrose Anhydrous IP	2.7 g
Excipients	q.s.

2. ORS with Juice

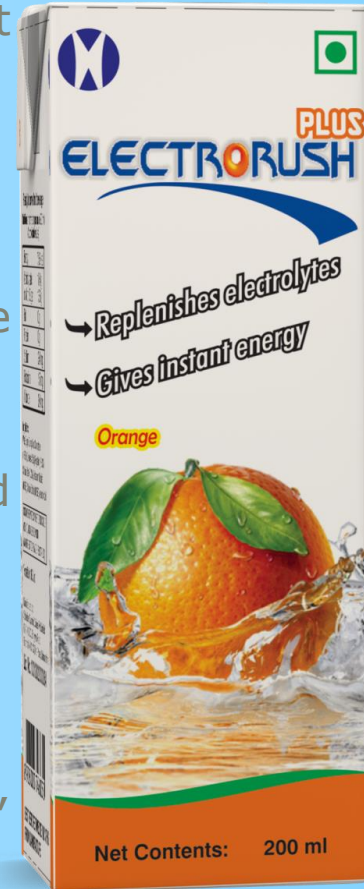
➤ After innovating ORS ready to drink, we felt a need to improve further and reach to more so we invented Oral Redhydration therapy with juice to increase acceptability of the product, specially among Kids and increase the nutritional content of a Electrolyte drink.

Energy	73.6 kcal
Carbohydrate of which Sugar	18.4 g 13.6 g
Fat	0 g
Protein	0 g
Sodium	234 mg
Potassium	157 mg
Chloride	294 mg



KEY Benefits

- It is a innovative Natural Juice with Electrolyte, nutrients, Vitamins & Minerals. This is a effective formula with a lot benefits.
- This product is for Children & Adults
- It is enriched with minerals & vitamin C, helps in maintaining the electrolyte level in the body.
- It is very useful for Sports lovers as it prevents dehydration and muscle cramping
- Energy Booster Recommended for Athletes.
- Flavors: like Orange, Apple, Cranberry, Pomegranate, Mix fruit, grape & More



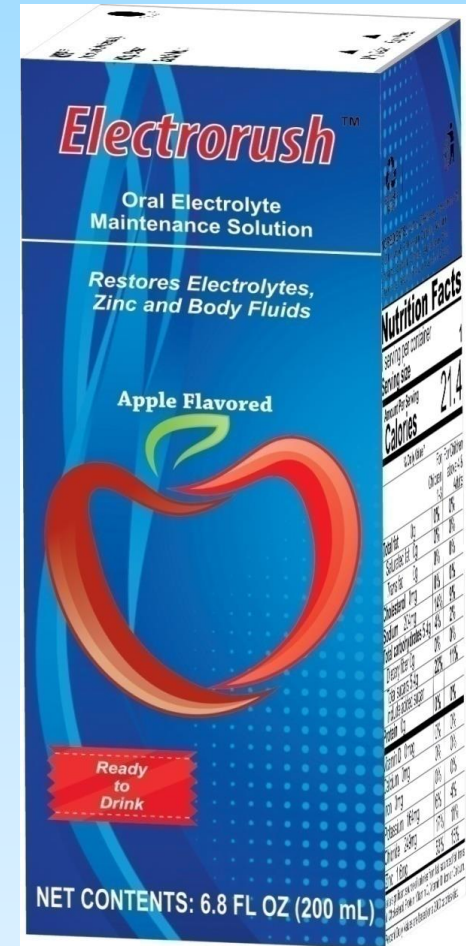
WHY SETTLE FOR ONLY JUICE WHEN YOU CAN HAVE MORE

3. Advanced Electrolyte drink

➤ New innovation was done to have low calorie Electrolyte drink along with other vital nutrients & Minerals. This product became instant hit as it is sugarfree and cover loss of electrolyte, minerals, & Nutrients.

Nutrition Facts			
1 serving per container			
Serving size		1	
Amount Per Serving			
Calories		21.4	
% Daily Value *			
		For Children 1-3	For Children above 4 & Adults
Total fat	0g	0%	0%
Saturated fat	0g	0%	0%
Trans fat	0g	0%	0%
Cholesterol	0mg	0%	0%
Sodium	204mg	14%	9%
Total carbohydrates	5.4g	4%	2%
Dietary fiber	0g	0%	0%
Total sugars	5.4g	22%	11%
Include added sugar			
Protein	0g	0%	0%
Vitamin D	0mcg	0%	0%
Calcium	0mg	0%	0%
Iron	0mg	0%	0%
Potassium	164mg	6%	4%
Chloride	249mg	17%	11%
Zinc	1.6mg	53%	15%

Not a significant source of calories from fat, saturated fat, trans fat, Cholesterol, Protein, Vitamin C, Vitamin D, Iron or Calcium.
*Percent Daily Values are based on a 2000 calories diet.



Highlights of Advanced Electrolyte drinks

- **Balanced ELECTROLYTES:** A flavoured way for kids and adults to replace electrolytes .
- **Effective then common available beverages ages :** Designed to replace fluids and electrolytes more effectively than sports drinks, it provides an optimal balance of sugar and electrolytes to prevent mild to moderate dehydration.
- **Great Taste :** Enjoy 200ml Tetra pak available multiple refreshing flavors.
- **This is better then juice, sodas, and sports drinks ,** Its meets medical guidelines for helping to prevent dehydration. Whereas Juice, sodas, and sports drinks are too low in sodium, an important electrolyte that's lost due to dehydration caused by diarrhea, vomiting, sweating, and excessive urination.
- **Works great as Anti- Hangover.**
- **Has Zinc which helps improve immunity.**

4. Glucose Ready to Drink

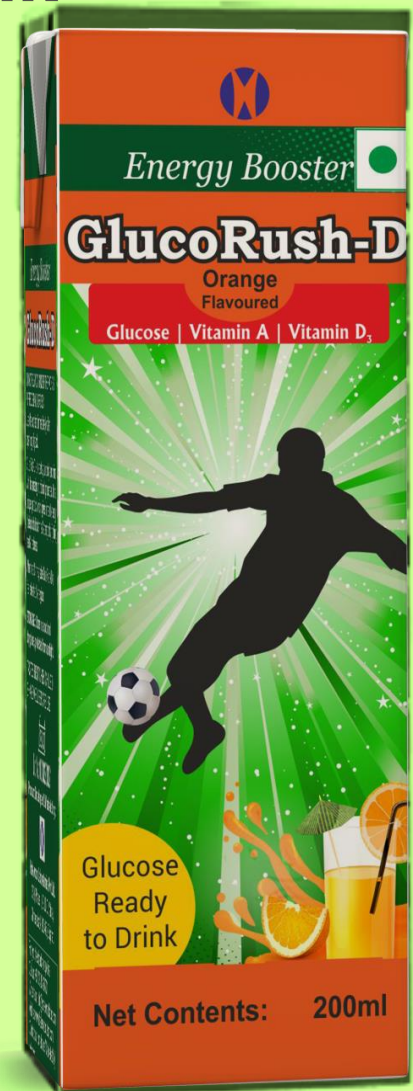
GlucoRush – D (With Vitamin D3)

Glucose ready to drink is a innovative proprietary technology with Vitamin (Vegan Source)D3 and Electrolytes. We also have GlucoRush- D with Real Juice too.

The research states that the Glucose with Vitamin D3 are absorbed in much better way if they are in liquid form. This provides instant energy to the body. It is very difficult to have a stable Glucose product in ready to drink format as Glucose being very unstable in liquid form but due to our technology and strong R&D we innovate this product.

Benefits :

- 20gm of Glucose per serving(200ml).
- Zero Fat.
- Zero Cholesterol.
- Gives instant energy.
- Helps fight excess heath by replenishing Glucose & Electerolytes lost from the body.
- Natural Juice With Electrolytes and Vitamins D3.
- Working as Fuel, Build Muscle, Optimising the Creatine absorption for working out and Bodybuilding.



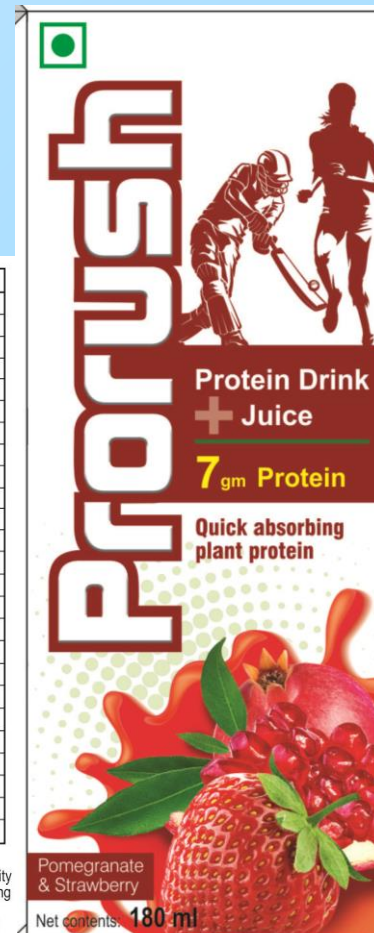
5. Plant based Protein Drink

➤ Prorush, a protein drink made from a smart blend of three plant proteins: Rice protein, Pea protein, & Faba protein. These vegan proteins are combined with nutritional ingredient to support bone & brain development, immune system and can enhance the functioning of digestive system.

NUTRITIONAL FACTS	UNIT	PER 100ml
Energy	Kcal	53.53
Protein	g	3.88
Fat	g	0.05
Saturated Fat	g	0.018
Unsaturated Fat	g	0
Trans Fat	g	0
Cholesterol	g	0
DHA	mg	25
Carbohydrate	g	14.8716
Sucrose	g	6.8
Sodium Ascorbate	mg	22
Niacinamide	mg	13
Vitamin B5 [†]	mg	0.85
Vitamin A [†]	mcg	460
Vitamin D3 [†]	mcg	4.1
Vitamin B6 [†]	mg	0.4
Vitamin B12 [†]	mg	0.4
Vitamin B1 [†]	mg	0.85
Copper [†]	mg	0.4
Manganese [‡]	mg	0.25
Folic Acid [†]	mg	0.25
Iron [‡]	mg	8
Calcium [‡]	mg	300
Sodium [†]	mg	19.4
Chloride [‡]	mg	30.33

★ Global Patents Applied For

Ingredients: Water, Protein (Rice protein, Pea protein, Pulse Protein), Sucrose, Juice concentrate(2.25%), Acidity regulator (INS 330), Stabilizer (xanthan gum), sequestering agent E340 (ii) Antioxidant (Tocopherol), Vitamins[†], Minerals[‡], DHA, Natural high intensity sweetener (Stevia)



Why ORS RTD/Electrolyte drink/Protein Drink in Tetra Pak

- Tetra Pak is a multi layer of protecting material having lot of protection layers thus its unique property helps keep the product safe from contamination, microbes without any preservative, this compliments our unique formula as preservatives are not recommended for children and also not recommended by WHO.
- Tetra Pak 200ml comes with a straw which increases its acceptability in Kids.
- Today's Tetra Pak cartons are a symbol of sustainability and the return to more natural foods.
- As we all know Tetra Pak cartons are much better to recycle than PET. So we support Nature by making product in Tetra Pak.

Manufacture Facility

Halewood has manufacturing facilities for making ORS Ready to drink? Electrolyte drink / Protein drink in Tetra Pak, which are state of the art manufacturing units. The details of the plants are as follows:

➤ Bulgaria:

Location: Sofia

Plant Approvals: IFS, FSSC 22000, ISO 22000, PRP Europe

Manufacturing capacity: 0.2 million unit per day