

## SINAREST Syrup

### COMPOSITION

Each 5 ml of SINAREST Syrup contains:

Paracetamol IP	125 mg
Phenylephrine hydrochloride IP	5 mg
Chlorpheniramine maleate IP	1 mg
Sodium Citrate IP	60 mg
Menthol IP	1 mg

### DESCRIPTION

**SINAREST Syrup** contains a clinically proven analgesic-antipyretic Paracetamol with decongestant Phenylephrine and an antihistamine Chlorpheniramine maleate. Paracetamol produces analgesia by elevation of the pain threshold and antipyretic effect through action on the hypothalamic heat- regulating center.

**Paracetamol** is equal to aspirin in analgesic and antipyretic effectiveness, and it is unlikely to produce many of the side effects associated with aspirin and aspirin-containing products.

Sympathomimetic decongestants reduce the nasal congestion due to increased nasal blood flow associated with colds and influenza. **Phenylephrine** is sympathomimetic vasoconstrictor that has been used as a decongestant. It is a relatively selective alpha-adrenoceptor agonist. The majority of the sympathomimetic action is due to direct stimulation of the adrenoceptors and relatively little is due to an indirect effect via release of noradrenaline. Its pressor action is weaker than that of noradrenaline but of longer duration. At therapeutic doses, it does not cause significant stimulation of the central nervous system.

**Chlorpheniramine** in **SINAREST Syrup** provides prompt relief of itchy- watery eyes, runny nose, sneezing, itching of the nose or throat due to respiratory allergies.

The Sodium citrate in **SINAREST Syrup** liquefies mucus and helps expectoration whereas Menthol has a cooling and soothing effect.

The pharmacokinetics of this combination of **SINAREST Syrup** is well matched and synergistic. All the drugs are well absorbed orally.

## **INDICATIONS**

**SINAREST Syrup** is indicated for:

- Relief of nasal and sinus congestion.
- Relief of allergic symptoms of the nose or throat due to upper respiratory tract allergies.
- Relief of sinus pain and headache.
- Adjunct with antibacterials in sinusitis, tonsillitis and otitis media.

## **DOSAGE & ADMINISTRATION**

The usual recommended dose is 1-2 teaspoonful (5-10 ml) tid or qid.

## **CONTRAINDICATIONS**

The use of **SINAREST Syrup** is contraindicated in patients with:

- Hypersensitivity to any of the ingredients of the formulation.
- Severe hypertension.**

## **PRECAUTIONS**

In case a hypersensitivity reaction occurs which is rare, **SINAREST Syrup** should be discontinued.

**SINAREST Syrup** contains Paracetamol and therefore should not be used in conjunction with other Paracetamol containing products.

**SINAREST Syrup** should be used with caution in patients with renal or hepatic dysfunction, **diabetes mellitus, hyperthyroidism, cardiovascular problems, epilepsy and closed angle glaucoma.**

## **DRUG INTERACTIONS**

Clinically significant drug interactions may occur on concomitant administration of **SINAREST Syrup** with monoamine oxidase inhibitors, tricyclic antidepressants, beta-adrenergic agents, methyl dopa, reserpine and veratrum alkaloids.

## **ADVERSE REACTIONS**

**SINAREST Syrup** is generally well tolerated and adverse events are rare. Hypersensitive individuals may display ephedrine-like reactions such as tachycardia, palpitations, headache, dizziness and nausea. Use of sympathomimetics has been associated with fear, anxiety, restlessness, tremor, weakness, dysuria, insomnia, hallucinations and convulsions. Chlorpheniramine in **SINAREST Syrup** may cause sedation.

## **PRESENTATION**

**SINAREST Syrup** is available in bottles of 60 ml and 100 ml with a measuring cup.