PULSE-8® is a concentrated liquid vitamin supplement formulated to achieve maximum energy, stamina and performance, in horses under stress and pressure of physical training and competition.

WHAT IS PULSE-8®?

Original scientifically balanced essential liquid vitamin supplement developed exclusively for performance horses.

✓ Concentrated liquid source of 10 vitamins.
✓ Uniquely packaged into 2 individual vitamin formulations – to provide the longest shelf life of vitamins available.
✓ Maximum freshness and stability – light proof and air proof packaging maintains maximum freshness, stability and potency.
✓ Highly palatable flavoured syrup.

WHY CHOOSE PULSE-8®?

1. The Vitamins in PULSE-8® are vital for:
   ✓ ENERGY
   Contains all the vitamins to ensure energy is available on demand.
   ✓ STAMINA
   Ensures maximum energy utilisation for enhanced stamina.
   ✓ PERFORMANCE
   Provides the co-factors essential to maintain peak performance even under the stress of training.

2. Highly palatable and promotes appetite
   Thick flavoured formulation ensures palatability. Addition of aniseed (Part A) and vanilla (Part B) flavouring ensures acceptance of the daily feed.
   Pulse-8 promotes and maintains appetite in hard working horses. A daily dose helps to prevent ‘track sourness’, ‘picky eating’, ‘bad doers’ and weight loss which many horses experience due to stresses of hard training.

3. Visibly improves coat condition
   PULSE-8® helps promote a healthy, shiny coat in performance animals with daily supplementation.

4. Two separate formulations
   PULSE-8® is two liquid vitamin supplements (Part A and Part B) in the one pack. The stability of vitamins in PULSE-8® PART A solution are most stable at acid pH of 2.5 - 3.0.1 The vitamins in PULSE-8® PART B maintain their potency at acid pH 4.8 - 5.5.1

<table>
<thead>
<tr>
<th>pH SCALE</th>
<th>ACID</th>
<th>NEUTRAL</th>
<th>ALKALINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PART B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   The twin pack concept of PULSE-8® ensures the correct degree of acidity to maintain potency of each of the two separate vitamin formulations.

5. Reduced oxidation of vitamins
   Contact with air or oxygen causes oxidation and subsequent deterioration of vitamins in liquid form.1
   PULSE-8® is manufactured under a blanket of nitrogen (inert) gas by a method that excludes air (or oxygen). The collapsible ‘pillow’ pack prevents air from entering the vitamin solution during use. This is in contrast to the normal plastic bottles or other containers commonly used for liquid vitamin preparations. Air has to enter these containers to allow the liquid to flow out.

6. Free from minerals
   Certain minerals, particularly iron and copper, react chemically with many vitamins, thus reducing their potency in solution.1 PULSE-8® contains two separate compatible formulations of vitamins, with no destructive mineral content.

7. Light proof package
   PULSE-8® is packed in two separate lightproof badders with the added outside protection of a cask. This ensures that the vitamins are safe from ultraviolet light that can potentially decrease stability of the product.

References:
INDICATIONS
PULSE-8® provides a supplementary source of vitamins A, D, E, and B Complex in a palatable syrup formulation for racing and performance horses.

COMPOSITION
Each mL contains
PART A
- Thiamine hydrochloride (Vitamin B1) 1 mg
- Pyridoxine hydrochloride (Vitamin B6) 1.67 mg
- Folic acid 0.5 mg

PART B
- dl-alpha Tocopheryl acetate (Vitamin E) 3.33 mg (3.33 IU)
- Retinyl palmitate (Vitamin A) 1.0 mg (1,000 IU)
- Cholecalciferol (Vitamin D3) 0.1 mg (100 IU)
- Nicotinamide (Vitamin B3) 13.33 mg
- Dextranthenol (Vitamin B5) 3.33 mg
- Riboflavin sodium phosphate (Vitamin B2) 1.67 mg
- Cyanocobalamin (Vitamin B12) 6.67 µg

STORAGE
Store below 25°C (Air conditioning).

WHEN TO USE PULSE-8®?
Recommended for use in:
- Horses on “Complete Feed” diets
- Horses in hard training
- Yearlings in sale preparation
- ‘Track sour’ horses
- Maximum utilization of high energy diets
- Maintaining appetite

HOW TO USE PULSE-8®?

DIRECTIONS OF USE
Dosage and Administration
Horses 450kg: Mix 30 mL of PART A and 30 mL of PART B well into the feed daily. Alternatively, the measured solutions may be drawn into an oral syringe and deposited on the back of the tongue. Parts A and B may be mixed together at feeding time without any loss of potency.

PRESENTATION
- 5L pack: Provides 83 doses for average horse.

APVMA NUMBER
- 38796

QUICK REFERENCE GUIDE

Customer Support
Tel: 1800 009 847
www.virbac.com.au