# PROFESSIONAL INFORMATION TURBOVITE® FOCUS syrup

- · Complementary Medicine Discipline: 34.13 Health Supplements - Other
- Health Supplements are intended only to complement health or supplement the diet. This unregistered medicine has not been evaluated by the SAHPRA for its quality, safety or intended use.

# SCHEDULING STATUS

1. NAME OF THE MEDICINE TURBOVITE® FOCUS (syrup

# 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Active ingredients	Per 10 ml	Per max daily dose (20 ml)	% NRV per max daily dose (20 ml)
Panax ginseng root extract	53,34 mg	106,68 mg	*
Caffeine	50 mg	100 mg	*
L-Theanine	100 mg	200 mg	*
Vitamin B1 (thiamine hydrochloride)	1,2 mg	2,4 mg	200 %
Vitamin B2 (riboflavin)	2 mg	4 mg	308 %
Vitamin B3 (nicotinamide)	9 mg	18 mg	113 %
Vitamin B5 (calcium D-pantothenate)	3 mg	6 mg	120 %
Vitamin B6 (pyridoxine hydrochloride)	2,5 mg	5 mg	294
Vitamin B9 (folic acid)	250 µg	500 µg	125 %
Vitamin B12 (Cyanocobalamin)	8 µд	16 µд	667 %
Biotin (D-biotin)	50 μg	100 μg	333 %

# Nutrient Reference Values for adults and children older than 4 years. \*NRV not established.

Turbovite\* Focus syrup contains sugar.

CONTAINS CAFFFINE

For full list of excipients, see section 6.1.

### 3. PHARMACEUTICAL FORM

Syrup Turbovite\* Focus syrup is a yellow liquid

## 4. CLINICAL PARTICULARS

4.1 The rapeutic indications
Turbovite<sup>†</sup> Focus syrup is a health supplement indicated for the support of mental performance and concentration during times of stress and for the maintenance of healthy energy levels.

### 4.2 Posology and method of administration

The recommended daily dosage is Adults 18 years and older

1-2 medicine measures (5-10 ml) in the morning and early afternoon, after meals.

### 4.3 Contraindication

- As Contramorizations
   Hypersensitivity to any of the ingredients of Turbovite" Focus syrup (see section 6.1 List of excipients).
   Turbovite" Focus syrup contains nicotinamide, which is contraindicated in patients with liver disease or in patients with active peptic ulcer disease.
   Turbovite" Focus syrup contains vitamin 812, which is contraindicated in patients with cobalarnin or cobalt hypersensitivity.
- 4.4 Special warnings and precautions for use

   Must not be given to patients with known hypersensitivity or allergy towards any of the ingredients. Patients should be advised to consult their medical practitioner if in doubt.

   Acute and thornic overdose increases the risk of side effects. Individuals receiving other vitamin or multivitamin preparations, any other medication, placed on a restricted diet, or those with conditions such as diabetes, glaucoma or detrusor instability should consult a healthcare professional before use of the product.

   Contains 100 mg caffering per 20 ml. A cup of instant coffee contains approximately 80 mg of caffeine.

   Not suitable for children under the age of 18 years.

- \*Not suitake to utilizate on the age of 19 years.

  \*Discontinue use two weeks prior to sugard.

  \*Use of caffine may result in alsept deprivation.

  \*If the patient is of utilization age of the patient o

## 4.5 Interaction with other medicinal products and other forms of interaction

Active ingredient	Medicine	Description
Caffeine	Products containing caffeine	Avoid taking Turbovite <sup>1</sup> Focus grup with health supplements or foods that contain caffeine or increase blood pressure (e.g. medication, coffee, tea, colas, cocoa, guarana, maté, bitter orange extract, synephrine, octopamine, ephedra, ephedrine).
Caffeine	Lithium	Patients taking lithium should use Turbovite® Focus syrup with caution as it contains caffeine which increases serum lithium concentrations.
Vitamin B6	Levodopa	Pyridoxine enhances the metabolism of levodopa, reducing its antiparkinsonism effects. However, this interaction does not occur when carbidopa is used in combination with levodopa.
Vitamin B12	Chloramphenicol	Chloramphenicol may delay or interrupt the reticulocyte response to vitamin B12. Therefore, blood counts need to be closely monitored if this combination can't be avoided.
Vitamin B9	Vitamin B12 deficiency	Patients should use Turbovite® Focus syrup with caution if they have a vitamin B12 deficiency, as vitamin B9 (Folic acid) could mask the deficiency.
Vitamin B9	Methotrexate	Folic acid supplementation may reduce the effectiveness of methotrexate in the treatment of acute lymphoblastic leukemia and theoretically, the efficacy in the treatment of other cancers.
Panax ginseng	Antidepressants	Patients taking antidepressant medication, blood thinners or digoxin should use Turbovite® Focus syrup with caution.

### 4.6 Fertility, pregnancy and lactation

Pregnancy
It is not advisable to take Turbovite® Focus syrup during pregnancy as it contains caffeine and Panax ginseng. Caffeine crosses the placenta.

Breastfeeding
It is not advisable to take Turbovite® Focus syrup while breastfeeding as it contains caffeine and Panax ginseng.

There are no known effects of Turbovite® Focus syrup on fertility.

## 4.7 Effects on the ability to drive and use machines.

Based on the side effect profile, Turbovite\* Focus syrup should not affect the ability to drive or operate machinery.

# 4.8 Undesirable effects

g any side effects or sensitivity to any of the ingredients, should discontinue use

Adverse events table					
System organ dass	Frequency	Adverse Events			
Immune system disorders	frequency unknown	Hypersensitivity reactions or an apphylaxis, symptoms include: difficulty breathing or swallowing, angioedema, it chy throat, urticaria, it ching			
Nervous system Disorders	Frequency unknown	Anxiety, headaches or insomnia			
Gastrointestinal Disorders	Frequency unknown	Dyspepsia (including upper abdominal (epigastric) discomfort and nausea), vomiting, dysphagia, heartburn or diarrhoea			
Skin and subcutaneous tissue disorders	frequency unknown	Hypersensitivity reaction (dermatitis, erythema or urticaria)			

If symptoms persist, or if any adverse reactions occur, advise the patient to consult a healthcare provider

Reporting of suspected adverse reactions
Reporting of suspected adverse reactions
Reporting of suspected adverse reactions after authorization of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicine. Health care
provides are saked to report any suspected adverse reactions to SAHPRA via the "6.04 Adverse Drug Reactions Reporting Form," found online under SAHPRA's publications:
https://www.sahpra.org.ar/Publications/index/8

#### 4.9 Overdose

Symptoms
See 4.8 Underirable effects
In overdose, side effects and precipitated and/or be of increased severity. At doses of more than 600 mg per day, caffeine may cause anxiety, tachycardia, palpitations, insomnia, restlessness, nervousness, tremor and headache.

#### Treatment

There is no evidence that this product can lead to an overdose when used as recommended.

### 5 PHARMACOLOGICAL PROPERTIES

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All CODE AT ICX
Theanine and calleine
Theanine and calleine
Theanine appears to support relaxation and reduce tension-anxiety. Theanine and calleine in combination appear to influence cognitive performance by improving accuracy and alertness during cognitive tests

Promaginizing extent

Contains Prints given getter and the company of Thiamine is a water-soluble B vitamin that is essential for carbohydrate metabolism in its diphosphate form.

Inflammine 3 where-source or inflamminus to execute on account product in reactions in many supercogners come.

(Virtimmin 82 Riboflavin is an essential for the utilisation of energy from food. Additionally, the active phosphorylated forms (flavine mononucleotide and flavine adenine dinucleotide) are involved as concignment in oxidation-reduction metabolic reactions.

(Virtimmin 83 Nicotinamide is a water-soluble B virtamin which is converted in the body to nicotinamide adenine dinucleotide (NAD) and nicotinamide adenine dinucleotide phosphate (NADP). Both NAD and NAPP are essential components of oxidation-reduction reactions. AIP synthesis and AIP-ribose transfer reactions.

Vitamin B5 It is a component of coenzyme A which is essential in the metabolism of carbohydrate, fat, and protein

Vitamin B6 Pyridoxine i

e is essential for amino acid metabolism and to a lesser extent involved in carbohydrate and fat metabolism

Fyndomin By
Folic acid is reduced in the body to tetrahydrofolate, which is a coenzyme for various metabolic processes including the synthesis of purine and pyrimidine nucleotides, and hence in the synthesis of DNA; it is also involved in some amino acid conversions, and in the formation and utilisation of formate. Vitamin B12 Vitamin B12, in the form cyanocobalamin, can be converted to coenzyme B12, which is an essential component for the conversion of methylmalonate to succinate and for the synthesis of

methionine from homocysteine. Additionally, vitamin B12 is a requirement for nucleoprotein and myelin synthesis, cell reproduction, normal growth, normal erythropolesis and is also involved in maintaining sulfhydryl groups in the reduced form that is required by enzymes involved in both fat and carbohydrate metabolism as well as protein synthesis.

Biotin It is an essential coenzyme in fat metabolism and in other carboxylation reactions.

### 5.2 Pharmacokinetic properties

<u>Panary ginseng</u>
Absorption: Oral doses of P. ginseng are typically absorbed in the intestines. However, this absorption is limited by factors like extensive metabolism in the gastrointestinal tract, poor

Assorption: Various so of a gineria pare typically assorption in the ligastromiestimal track, poor membrane permeability and flow solidity of edge/toxylated products.

Distribution: After onal ingestion protopanazadiol and protopanazatriol ginsensides can be detected in the blood plasma. Metabolism: Metabolism of ginsensides occurs via degnatation processes that are already taking place in the gastrointestinal tract as a result of gut microorganisms, intestinal enzymers or gastric fluid. Additionally, protopanazadiol saponins are known to degnade at a faster rate than protopanazatriol saponins, thus resulting in them having a lower thoravallability.

Eucretion: While the excretion of P. ginseng has not been extensively studied, it is believed that trace amounts of the ginsensides are excreted in the urine.

Caffeine

Caffeine
Absorption: Caffeine is absorbed readily after onal administration and is widely distributed throughout the body
Distribution: Caffeine passes readily into the central nervous system and the saliva; low concentrations are also present in breast milk. Caffeine crosses the placenta.

Metabolism: Caffeine is metabolised almost completely in the liver via oxidation, demethylation and acetylation. The metabolism of caffeine is dose-dependent with dearance decreasing as the dose is increased.

Exception: Caffeine is exceeded in the urine as 1-methyluric acid, 1-methylatorthine, 7-methylurachine, 7-methylurachine (parawanthine), 5-sectylamino-6-formylamino-3-methylurachine (parawanthine), 5-se and viral hepatitis, and in pregnancy.

Theanine

Absorption: Oral administration of theanine is absorbed through the intestines tract. Theanine levels typically peak approximately 50 minutes after consumption.
Distribution: After absorption, theanine is distributed to the plasma and erythrocytes. Additionally, theanine has the capacity to cross the blood-brain barrier in a dose-dependent

mariner. Metabolisms the interpretation of the parameter of the process of the parameter of

Vitamins and minerals
The combination of vitamins and minerals is typical of the normal diet. Therefore, the pharmacological metabolism and fate of Turbovite® Focus syrup is anticipated to be similar.

# 6. PHARMACEUTICAL PARTICULARS 6.1 List of excipients

Flavour Citric acid

Xanthan gum

Turbovite\* Focus symp contains sugan sucrose (2,4 g per 10 ml).
Turbovite\* Focus symp contains sweetener: sucrabse (7,8 mg per 10 ml) and sodium saccharin (2,6 mg per 10 ml).
Turbovite\* Focus symp contains preservatives: sodium benzoate (0,1% m/v) and potassium sorbate (0,08% m/v).

# 6.2 Incompatibilities

# 6.3 Shelf life

**6.4 Special precautions for storage**• Store in a cool, dry place at or below 25 °C.
• Protect from light and moisture.

Keep in original packaging until required for use.

6.5 Nature and contents of container
Turborite\* Focus synup is a yellow liquid with a passion fruit flavour.
Turborite\* Focus synup is a variable in a round amber glass bottle. It contains 200 ml or 500 ml of synup and includes a patient information leaflet in a printed unit carton.
Turborite\* Focus synup is available in 10 ml sachets and includes a patient information leaflet in a printed unit carton.

## 6.6 Special precautions for disposal and other handling

### 7. HOLDER OF CERTIFICATE OF REGISTRATION

Nativa (Pty) Ltd

260 Cradock Avenue, Lyttelton, Centurion, 0157, Gauteng, South Africa

Tel: +27 (0) 12 664 7110 Customer care line: 0860 628 482

Email: health@nativa.co.za

# 8. REGISTRATION NUMBER(S)

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

10. DATE OF REVISION OF THE TEXT

PPIL283/01