



VITAMIN E

Natural E-1000

ABOUT US

Our journey started over a hack and a question; why do you feed your horses so many "things" other than hay? - the question was asked by a novice (Kajen Selva) to the equestrian world, but the question was directed to a horsewoman (Wendy Hoehne) who's been part of the equestrian world for over 40 years.

To Kajen Selva it was the most meaningful hack, he was excited and overwhelmed at the wealth of knowledge Wendy Hoehne shared regarding the art of feeding.

Each time Kajen visited Wendy's stable the conversations continued, when the topic of vitamins and minerals came up, Wendy suggested that Kajen should look into Vitamin E and here we are ... Stable Masters Choice® a division of KS Circuits dedicated to the well-being of horses and equestrians.

WHAT IS VITAMIN E?

Vitamin E is comprised of a group of compounds that include both tocopherols and tocotrienols. It is a potent antioxidant, preventing free radical damage to the body that are critical for your horse's health.

Vitamin E is the exception to the concept that natural-source and synthetic vitamins are equivalent. The only form of alpha-tocopherol (Vitamin E) found in nature is the d-alpha-tocopherol known as RRR-alpha-tocopherol. Synthetic Vitamin E, also known as dl-alpha-tocopherol (or all-rac-), is produced from petrochemicals, resulting in a mixture containing equal amounts of eight stereoisomers.

Only 12.5% of stereoisomers produced are identical to the d-alpha-tocopherol (or RRR-) found naturally in food. The mg to IU conversion factor for Stable Masters Choice® natural-source Vitamin E products is 1.36 IU per 1 mg (1mg d-alpha-tocopheryl acetate = 1.36 IU Vitamin E).

Stable Masters Choice® Vitamin E is a concentrated form of natural-source d-alpha-tocopheryl acetate derived from edible vegetable oils. This unique product is produced by spray drying d-alpha-tocopheryl acetate with a water soluble excipient. This stable powder from vitamin E is particularly useful when a water dispersible product is desired.

HORSES AND VITAMIN E, WHY IS IT IMPORTANT?

Horses are herbivores, which means they only eat plants to get energy and nutrients. They have evolved over the past 45 to 55 million years grazing, and their major source of nutrients are good-quality forage from hay or pasture.

Vitamin E is a vital organic compound, which, when provided in the proper amounts, play a major role in the health of the horse. Horses that are in training, work, performing, travel, breeding or the physical and mental discomfort of a periodically empty stomach, lead to the formation of free radicals - volatile, destructive molecules that can potentially damage every tissue in your horse's body. Treatment of severe disorders such as equine motor neuron disease (EMND) or Equine Protozoal Myeloencephalitis (EPM) necessitates high dosages of vitamin E. Vitamin E will offer a level of protection against disease and disorders through its antioxidant activity – the ability to neutralize free radicals.

Horses do not synthesis Vitamin E there for they can only get the daily amount by grazing for a very long period up to 12 to 14 hours a day. Fresh grass contains approximately 110 IUs of vitamin E per kg of dry matter. If your 1100 lb (500 kg) horse spends all day on a healthy field of grass, a generalized level of consumption would be 22 lbs (10 kg) of dry matter each day. That equates to 1100 IUs of vitamin E. However, keep in mind that even if your horse is fortunate enough to have access to fresh grass at all times, the vitamin E content can vary with the grass' maturity, the season, and amount of rainfall.

Once fresh grass is cut, dried, and stored to make hay, it loses virtually all of its vitamin E content, making supplementation a necessity. Adding a commercially fortified feed will offer some vitamin E to your horse's diet - the average feed contains 150 IU or less per pound. Therefore to obtain the same 1100 IUs as from healthy pasture, you would need to feed more than 7 pounds of feed per day – an amount too high for most horses. This is why supplementing them with Stable Masters Choice® natural vitamin E is essential for their well-being.

GUARANTEED ANALYSIS

Vitamin E (min)	700 IU/g*
*Highest potency of natural vitamin E in the market.	

INGREDIENTS

d-alpha-tocopheryl acetate (Natural Vitamin E)

PACKAGING

Stable Masters Choice® Natural E-1000 is available in 70 days and 140 days package.

STANDARDS

Stable Masters Choice® Natural E-1000 Vitamin E meets USP (Vitamin E, Food/Supplement Grade) and FCC (alpha-tocopheryl acetate) specifications.

CHARACTERISTICS, TYPICAL

Appearance	White to off-white powder
Taste	Bland
Odor	Slight
Bulk density, g/cm ³	0.35 – 0.55
Conversion Factor	1mg d-alpha-tocopheryl acetate = 1.36 IU Vitamin E

MICROBIOLOGICAL DATA

METHOD

Standard Plate Count/g	Max. 1000	FDA BAM Ch.3
Yeast and Molds/g	Max. 100	FDA BAM Ch.18
Coliform/g	Max. 10	FDA BAM Ch.4
Salmonella/100g	Negative	AOAC-RI 030201
E.coli/40g	Negative	FDA BAM Ch.4
Staph.aureus/11g	Negative (<10/g)	FDA BAM Ch.12

TYPICAL NUTRITIONAL INFORMATION (US) /100 g

Calories	210	Acetate	4.9 g
Calories from Fat	0	Dietary Fiber	<1 g
Total Fat	0 g	Sugars	<1 g
Saturated Fat	0 g	Protein	0 g
Trans Fat	0 g	Calcium	0 mg
Cholesterol	0 mg	Iron	0 mg
Sodium	30 mg	Vitamin A	0 IU
Total Carbohydrate*	51 g	Vitamin C	0 mg
*By difference, excluding tocopherols			

FEEDING DIRECTIONS

Use as directed by your nutritionist or local, attending veterinarian.

1 scoop (1.5 g) = 1,000 IU of Vitamin E. Mix in feed.

Maintenance: 1-2 scoops per day

Intense training: 3-5 scoops per day

Pregnant/lactating mares: 3 scoops per day

Foals: 3 scoops per day

Stallions: 3 scoops per day

Neurological challenges and other health issues: Consult your attending veterinarian.

STORAGE AND SHELF LIFE

Product should be preserved in tightly closed containers to protect from light, heat and air. Recommended storage temperature: 4-32°C (39-90° F). When stored unopened in original packing and under recommended storage conditions, the shelf life is 48 months from the date of manufacture.

SHIP, PICK UP & DROP OFF LOCATIONS

Newmarket, ON

Wendy Hoehne

T: (905) 252-6177

E: Wendy.Hoehne@stablemasterschoice.com

Barrie, ON

Kajen Selva

T: (416) 913-5438 Ext: 101

E: Kajen.Selva@stablemasterschoice.com

We will ship internationally to the following countries or continent: USA, Mexico, EU, Australia, Korea, China, Japan, Philippines, and New Zealand

HOURS OF OPERATION

Day	Hours
Monday	10:00am – 6:00pm
Tuesday	10:00am – 6:00pm
Wednesday	10:00am – 6:00pm
Thursday	10:00am – 6:00pm
Friday	10:00am – 6:00pm
Saturday	10:00am – 6:00pm
Sunday	10:00am – 6:00pm

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