

PRODUCT DATA SHEET

MUSCLE FORCE

Supports the development of powerful muscles in horses being trained



- Targeted nutritional support for the development of muscle strength and powerful movements
- Improves the response of muscle fibres to training stimuli for more efficient muscle development
- Ideal for horses lacking strength, struggling with collection or missing impulsion in their work
- With HMB, red beet powder, Panax Ginseng, BCAAs, L-Carnitine and specialised yeast products
- Scientifically formulated



2 KG | 5 KG



MUSCLES

About Muscle Force



Muscle development in sport horses goes beyond protein intake alone. Optimal results depend on efficient muscle function, the right anabolic stimuli and sufficient recovery capacity. Muscle Force is specifically developed to support these three key pillars of training adaptation. It promotes the development of functional muscle mass, improves power output and helps horses better cope with the physical demands of training and competition.

Muscle Force translates training stimuli into effective muscular adaptation. Its ingredients work synergistically to enhance metabolic efficiency, stimulate muscle protein synthesis and support structural recovery of muscle fibres. By interacting with the physiology of exercise, it helps optimise how sport horses respond to workload, resulting in improved strength, better recovery and more consistent performance over time.

Wat makes Muscle Force unique?

1

Improved muscle function for more training efficiency

By improving the muscle function, horses can handle the work better. That's where the training becomes more efficient and muscle power increases. Magnesium citrate supports normal muscle contraction and relaxation. Beetroot supports healthy circulation¹, while vitamin B3 contributes to cellular energy metabolism in muscle cells. Also Glycine and L-carnitine contribute to efficient energy utilization in the muscle and HMB protects muscle tissue during intense efforts¹, ensuring nutrients are optimally used for performance and muscle function.

2

Powerful stimuli to build muscle strength

Muscle strength increases in response to training stimuli. BCAAs (leucine, isoleucine, valine) are key regulators of muscle mass. Especially leucine provides a powerful stimulus for the activation of muscle protein synthesis. HMB, a metabolite of leucine, helps protect muscle tissue during exertion and supports the development of powerful type IIA muscle fibers². Yeast products provide additional amino acids and nucleotides that support protein synthesis and tissue renewal. The right nutritional signals amplify the effect of training.

3

Optimal recovery and muscle integrity

Adaptation happens during recovery. HMB has shown to support muscle integrity and helps reduce exercise-associated muscle damage markers, promoting healthy recovery. Beetroot promotes circulation, supporting nutrient delivery and waste removal. Panax ginseng supports recovery capacity and helps muscles adapt more efficiently to repeated training load.

Advice

Cavalor Muscle Force is used to enrich the normal feed for enhanced muscle strength. Mix in the daily feed.

Sport horses: 45 g/day

Ponies and recreational horses: 30 g/day.

1 measure in pail = 15 g.

Maximum per horse per day = 120 g

Composition

Yeast products, Magnesium citrate, Siberian ginseng root powder, Alfalfa, Red Beet powder, Hydroxy Methyl Butyrate Calcium, Maltodextrin

Analysis	Quantity
Crude protein	33.90 %
Crude fat	1.66 %
Crude ash	6.56 %
Crude fiber	3.90 %
Calcium	0.58 %
Phosphorus	0.25 %
Sodium	0.05 %

Nutritional additives	Quantity (Addition per kg)
Valine from L-valine (3c370)	10 722 mg
L-isoleucine (3c383)	22 222 mg
L-leucine (3c382)	11 111 mg
L-carnitine L-tartrate	2 mg
Glycine	22 mg
Nicotinamide (3a315)	3 600 IU

Research

- 1 Jones AM. Dietary nitrate supplementation and exercise performance. Sports Med. 2014;44(Suppl 1):S35–S45. doi:10.1007/s40279-014-0149-y
- 2 Busse NI et al. β -Hydroxy β -methylbutyrate supplementation to adult Thoroughbred geldings increases type IIA fiber content in the gluteus medius. J Anim Sci. 2021;99(10):skab264.
- 3 Wolfson RL et al. Sestrin2 is a leucine sensor for the mTORC1 pathway. Science. 2016;351(6268):43–48.
- 4 Clifford T et al. The potential benefits of red beetroot supplementation in health and disease. Nutrients. 2015;7(4):2801–2822.
- 5 Piotr Ostaszewski, Agnieszka Kowalska, Ewa Szarska, Piotr Szpotarński, Anna Cywinska, Bożena Bałasińska, Tomasz Sadkowski, Effects of β -Hydroxy- β -Methylbutyrate and β -Oryzanol on Blood Biochemical Markers in Exercising Thoroughbred Race Horses, Journal of Equine Veterinary Science, Volume 32, Issue 9, 2012, Pages 542–551
- 6 Muñoz-Castellanos B, Martínez-López P, Bailón-Moreno R, Esquiús L. Effect of Ginseng Intake on Muscle Damage Induced by Exercise in Healthy Adults. Nutrients. 2023 Dec 27;16(1):90. doi: 10.3390/nu16010090. PMID: 38201920; PMCID: PMC10780807.



TIP!

Cavalor Muscle Force is recommended for sport horses in training that need additional power in their movements. Optimal results are typically observed after 6 weeks of consistent use. For horses that require additional support for topline development, the use of a protein balancer such as Cavalor VitAmino is recommended.

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Pieces per outerpack	Description		Article number	 5 425016 901168
1	Muscle Force 2kg	Powder	82192802	
1	Muscle Force 5kg	Powder	82192805	 5 425016 900499

Store in a cool, dry place. Keep out of reach of children. Close bucket after use. May be stored up to 3 years after the production date.