



marstall[®]
Premium horse feed

marstall feeding knowledge

Amino acids – essential for the muscular system

Ideal muscle development, short regeneration time for the muscles after training and preservation of the musculature of senior horses – amino acids are

indispensable for the musculoskeletal system. Proteins consist of around 20 different types of amino acids. They form chains and solve – depending on their structure and type – different tasks in the horse's body. Amino acids are required for the muscles as well as for connective tissue and milk.

Horses need to obtain essential amino acids such as lysine, methionine, tryptophan, leucine, threonine and valine **from their food**. Scientific studies show that vegetable protein contains only small amounts of important amino acids. Grains in particular contain only a very small amount. There is also the fact that horses are solely dependent on the types of amino acids that can be absorbed in the small intestine. This is why, in addition to the legally required amount of raw protein, marstall includes the amount of raw protein with precaecal digestibility = intestine digestion (marked as pvc) in the declaration of ingredients.

As outlined above, it is essential to ensure an adequate supply of high-quality amino acids. On the one hand, there are **natural protein sources** such as brewer's yeast, linseed meal, alfalfa and soy – in our products these ingredients are of course **VLOG certified**, which means that they have not been genetically engineered.

On the other hand, there are pure amino acids the horse can completely absorb. High-quality proteins and thus a large amount of amino acids can be found for example in our Amino-Muskel PLUS and Champion as well as in our Amino-Sport Müsli, Condición, Western Struktur-Müsli, Senior Plus and in our breeding line products.

