



Think all equine minerals are created equal?

Take a closer look . . .

Trace mineralized salt blocks typically **only provide a fraction of a horse's trace mineral needs and do not provide needed macro-minerals** (except sodium and chlorine in the form of salt) **and vitamins**. Most trace mineralized salt blocks contain 95% or more salt and only a "trace" of minerals. **Proper mineral supplementation requires more than just a trace mineralized salt block.**

Deficiencies in Mineral Content of Common Horse Feeds*

Typical alfalfa hays are deficient in:
P, Na, Se, Cu, Zn, Mn, Fe

Typical grass hays are deficient in:
Ca, P, Mg, Na, Se, I, Cu, Zn, Mn, S

Typical cereal grains (corn, oats, barley) are deficient in:
Ca, P, Na, K, Se, I, Cu, Zn, Mn, Fe, Co

Note: Minerals in bold copy are not contained in most trace mineralized salt blocks.

* When used in maintenance horse rations.

Source: National Research Council, Nutrient Requirements of Horses, 2007.

Why are supplemental minerals needed?

Most forage sources and grains fed to horses do not provide sufficient minerals even for horses at maintenance.

Percentage of a 1200 lb Horse's Maintenance Mineral Requirements Provided by a Typical Trace Mineralized Salt Block Consumed at the Recommended Rate*

	Percentage of Maintenance Mineral Requirement
Calcium	0
Phosphorus	0
Magnesium	0
Potassium	0
Sodium	73.5
Copper	3.7
Iron	9.4
Iodine	78
Manganese	5.5
Selenium	0
Zinc	9.7
Cobalt	0

*Mineral requirements based on National Research Council, Nutrient Requirements of Horses, 2007.

To achieve optimum growth, health, and performance, solid, reliable mineral supplementation is needed.

Proper mineral supplementation requires more than just a trace mineralized salt block.



GROSTRONG
VITAMINS AND MINERALS FOR HORSES SINCE 1925

Trace Mineral Salt Block

Guaranteed Analysis

Salt (NaCl), not more than	98.0%
Salt (NaCl), not less than	95.0%
Zinc (An), not less than	0.350%
Manganese (Mn), not less than	0.280%
Iron (Fe), not less than	0.175%
Copper (Cu), not less than	0.035%
Iodine (I), not less than	0.007%
Cobalt (Co), not less than	0.007%

Ingredients

Salt, Zinc Oxide, Manganous Oxide, Ferrous Carbonate, Iron Oxide (Color), Copper Oxide, Calcium Periodate (Pentacalcium Orthoperiodate), Cobalt Carbonate.

Unlike most trace mineralized salt blocks, **GROSTRONG® Minerals provide a complete package of 28 minerals, vitamins, and electrolytes (including salt)** in appropriate ratios and amounts specifically formulated for horses. Horse owners can count on GROSTRONG Minerals to provide necessary minerals and vitamins to complement forages and feeds, enabling horses to reach their performance potential.

GROSTRONG Minerals are the result of unsurpassed formulation expertise and leading edge technology. There is no substitute for the years of manufacturing and formulation experience backing GROSTRONG Minerals. Over 100 years of formulation and manufacturing expertise back the reliability and nutritional soundness of GROSTRONG Minerals. Along with good-quality forage, GROSTRONG Minerals provide the cornerstone of Forage First® Programs.

Don't let inadequate mineral nutrition hamper your horse's health and performance.

Choose the industry leader in equine mineral nutrition . . . **GROSTRONG® Minerals for Horses.**

GROSTRONG® Mineral Block for Horses

A Vitamin-Mineral Supplement
for All Classes of Horses

GUARANTEED ANALYSIS

Calcium (Ca), not less than	15.2%
Calcium (Ca), not more than	18.2%
Phosphorus (P), not less than	8.0%
Salt (NaCl), not less than	26.0%
Salt (NaCl), not more than	31.0%
Sodium (Na), not less than	9.0%
Sodium (Na), not more than	10.8%
Copper (Cu), not less than	3,600 ppm
Selenium (Se), not less than	30 ppm
Selenium (Se), not more than	36 ppm
Zinc (Zn), not less than	11,500 ppm
Biotin, not less than	83 mg/lb
Vitamin A, not less than	300,000 IU/lb
Vitamin D ₃ , not less than	30,000 IU/lb
Vitamin E, not less than	3,000 IU/lb

INGREDIENTS

Salt, Defluorinated Phosphate, Monocalcium Phosphate, Dicalcium Phosphate, Calcium Carbonate, Cane Molasses, Zinc Oxide, Dehulled Soybean Meal, Vegetable Oil, Magnesium Oxide, Lignin Sulfonate, Manganous Oxide, Copper Sulfate, Yellow 5 Lake, Yellow 6 Lake, d-alpha Tocopherol Acetate and dl-alpha Tocopherol Acetate (Sources of Vitamin E), Ferrous Sulfate, Vitamin A Acetate, Calcium Pantothenate, Thiamine Mononitrate, Riboflavin Supplement, Biotin, Niacin Supplement, Cobalt Carbonate, Sodium Selenite, Cholecalciferol (Source of Vitamin D₃), Potassium Iodide, Vitamin B12 Supplement, Menadione Sodium Bisulfite Complex (Source of Vitamin K Activity).



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