Baymag

58 MAX

Maximize Your Animal Nutrition

Baymag 58 MAX-Combines the world's purist, naturally occurring magnesium oxide, with the highest reactivity, solubility, and buffering capacity for feed applications.

Delivers 58% magnesium, offering the highest magnesium content per pound of any supplement available in North America.

BAYMAG 58 MAX

KEY FEATURES

MAXIMUM SOLUBILITY

Its ultra-soluble properties guarantees rapid dissolution, leading to more effective mineral distribution in feed.

MAXIMUM PURITY

Baymag 58 MAX ensures superior nutrient uptake, providing more free magnesium for absorption and reducing nutritional waste.

MAXIMUM ALKALIZATION

Baymag 58 MAX offers exceptional alkalization control in the rumen, supporting stable ruminal function and preventing acidosis, even outperforming buffering mineral additives.

MAXIMUM BIOAVAILABILITY

With its high solubility, exceptional alkalization ability and purity, Baymag 58 MAX offers the highest level of bioavailability of any magnesium oxide supplement available for feed.

Sample	Mg%	Mg O %	Ca O %	Fe2O3 %	Al2O3 %	SiO2 %
Baymag 58 MAX	58.72	97.37	1.71	0.53	0.12	0.27
Baymag 58 Granular	57.89	95.99	2.43	0.85	0.22	0.51
High Purity Chinese	57.09	94.66	1.51	0.68	0.4	2.75
North American 100 Grade	55.18	91.5	4.63	0.58	0.52	2.77
Brazilian MgO	55.89	92.67	1.27	2.87	0.63	2.56
Mineral-Additive	26.39	43.75	53.18	0.25	0.58	2.24

Ruminal pH is a critical factor for rumen function due to its impact on several organic processes, including but not limited to rumen physiology which includes nutrient intake. Buffering products have been used to support stable ruminal function and prevent ruminal acidosis, Baymag 58 MAX provides exceptional buffering control and capability.

- Magnesium is primarily absorbed in the rumen; a very quick solubility is crucial, and particle size will have a major impact on product performance.
- Higher producing cows have lower fiber or forages in their diets therefore need more buffers to prevent SARA.
- Higher Potassium for high producing cows reduces magnesium absorption therefore requirements for a superior product are crucial in magnesium absorption.
- Higher magnesium content and solubility leave more room for other nutrients in a diet, providing the most value per pound of magnesium oxide.

KEY BENEFITS

Sample	Alkalinizing Activity (Acetic Acid Test)			DAS	Caustic Magnesia Activity (CMA)
	pH 0 mins	pH 30 mins	Δ pH	%	Second(s)
Baymag 58 MAX	2.96	9.86	6.9	99.93	46
Baymag 58 Granular	2.96	5.50	2.54	99.03	194
High Purity Chinese MgO	2.96	4.91	1.95	94.84	1272
North American 100 Grade	2.96	9.28	6.32	94.92	380
Brazilian MgO	2.96	4.16	1.2	82.6	> 1800
Mineral-Additive	2.96	3.85	0.89	97.91	> 1800

In addition to its high magnesium content and exceptional solubility, Baymag 58 MAX provides multiple health benefits in ruminant diets, including:

- **Prevention of Grass Tetany/Milk Fever:** Magnesium is critical for muscle function, helping prevent these common metabolic disorders.
- **Prevention of Rumen Acidosis:** Its superior buffering capacity helps maintain stable ruminal pH, protecting against acidosis.
- **Prevention of Hypokalemia:** Magnesium's interaction with potassium supports electrolyte balance, preventing deficiencies.
- **Reduction in Additional Buffering Products:** Baymag 58 MAX's high reactivity reduces the need for extra buffering agents in feed formulations.
- **Enhanced Animal Health and Productivity:** By optimizing magnesium intake and buffering capacity, Baymag 58 MAX promotes healthier ruminants, leading to improved yields and performance.

Product	High Magnesium Content	Low Impurities	High Buffering Capacity	Highly Soluble
Baymag 58 MAX	✓	✓	✓	✓
Baymag 58 Granular	✓	✓		✓
High Purity Chinese	✓			
North American 100 Grade			✓	
Brazilian MgO				
Mineral-Additive				✓

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