



PRODUCT SPECIFICATION SHEET

MIN-AD® is a palatable natural mineral compound that is mined from a high purity deposit. It is composed of a double carbonate of calcium and magnesium and a number of beneficial trace minerals. MIN-AD is employed in dairy and beef cattle feeds to improve performance, increase microbial growth, regulate digestive tract pH, and as a mineral source. A unique combination of chemical properties, total acid consuming capacity, and rate of solubility helps it to maintain optimum digestive tract conditions. MIN-AD can be used in dry supplements or buffer packs, either as a loose mix or in pellets. It can also be fed free choice. An ultra-fine form of MIN-AD can be used for liquid feed suspensions.

ORGANIC LISTING

MIN-AD has been listed by the Organic Materials Review Institute (OMRI) for use in production of organic food and fiber. Mining is carried out with a special mineral oil based explosive instead of more typical fuel oil explosives, which eliminates palatability or contamination concerns.

TYPICAL ANALYSIS

Calcium Carbonate (CaCO ₃)	54%
Magnesium Carbonate (MgCO ₃)	43%
Calcium (Ca)	21%
Magnesium (Mg)	12%
Color	Light gray
Bulk density, Standard	~115 lbs/ft ³
Bulk density, Fines	~100 lbs/ft ³

AVAILABILITY

Bulk rail (bottom dump) and bulk truck (bottom dump & pneumatic). MIN-AD is also available in 50 lb English language bags, 25 kg Spanish bags, or super sacks (~2400 lbs/sack for Standard, ~2000 lbs/sack for Fines).

USE INFORMATION

The amount of MIN-AD fed varies with application, ration composition, and production levels. Beef cattle can be fed at about 3 ounces per head per day or 0.75% - 1.00% of the total ration on a dry matter basis. It can effectively replace other Mg and Ca sources.

Dairy cattle can be fed at the rate of 3-6 ounces per head per day, depending on whether it is fed in combination with other buffer products. MIN-AD fed in combination with traditional dairy buffers provides effective protection against low rumen pH and enhances microbial growth. Contact your nutritionist for a recommendation specific to your application.

STORAGE

Store in a dry place to maintain free-flowing properties.

LABELING AND SAFETY

MIN-AD is labeled Magnesium Limestone in accordance with the definitions and standards of the Association of American Feed Control Officials (57.11 AAFCO, IFN 6-06-934).