

University of Minnesota Soil Testing Laboratory

Agricultural Liming Material Analysis Report

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Sample Name	% Passing 8 Mesh	% Passing 20 Mesh	% Passing 60 Mesh	FI ¹	CCE ² %	ENP ³ %	Moisture ⁴ %	LBS. ENP/Ton
5-DTN	97.9	96.5	93.2	95.5	76.2	72.7	28.0	1047

¹ Fineness Index (FI) is an expression that takes into account the fact that large particles are less effective in neutralizing soil than small particles. [For example, particles larger than 8 mesh do not contribute to the ALM's neutralizing ability and particles smaller than 60 mesh are rated as completely effective].

² Calcium Carbonate Equivalent (CCE) indicates the neutralizing value of the material as compared to Calcium Carbonate which has a value of 100 percent. The higher the percentage, the more effective the material.

³ The Effective Neutralizing Power (ENP) provides a single value which can be used in comparing quality of different liming materials. It is based on a combination of the particle size distribution and the TNP, expressed as a percent. [ENP = FI/100 X TNP]

⁴ Expressed on a dry weight basis.

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