



## MIDWEST AGRI-COMMODITIES COMPANY

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### Betaine

Betaine is found in many foods, but is exceptionally high in sugar beets. In poultry feed, betaine has been proven to control heat stress and increase hatch rate.

This is a typical analysis of our betaine.

Chemical Components	Approximate Percentage
Betaine	32.0%
Sucrose	7.0%
Non-sucrose	23.0%
Water	40.0%

Ingredient definitions:

-AAFCO 2012 Official Publication. 90.17 Betaine (hydrochloride or anhydrous) is the crystalline chloride of betaine or anhydrous betaine; a partial replacement for choline. (proposed 1990, Adopted 1991)

-Schedule IV, Part 1. Betaine (IFN 7-32-193) is the inner salt of 1-carboxy-N, N, N-trimethanaminium hydroxide and which can be either in a liquid (prior to crystallization) or solid (anhydrous) form.