and/or a calcium salt thereof (hereinafter also called "LMA"), methionine and/or a salt thereof (hereinafter also called "DLM"), and guanidinoacetic acid and/or a salt thereof (hereinafter also called "GAA").

[0010]

LMA may be a methionine hydroxy analog, or may be a calcium salt of a methionine hydroxy analog, or may be a mixture of these. The methionine hydroxy analog may be a D-form, or may be an L-form, or may be a mixture of these. The calcium salt of a methionine hydroxy analog may be a D-form, or may be an L-form, or may be a mixture of these. LMA is preferably a methionine hydroxy analog.

[0011]

DLM may be methionine, or may be a salt of methionine, or may be a mixture of these. The salt of methionine is preferably a sodium salt. Methionine may be L-methionine, or may be D-methionine, or may be a mixture of these. DLM is preferably L-methionine and/or DL-methionine.

[0012]

GAA may be guanidinoacetic acid, or may be a salt of guanidinoacetic acid, or may be a mixture of these. Examples of the salt of guanidinoacetic acid include a hydrochloric acid salt of guanidinoacetic acid, a hydrobromic acid salt of guanidinoacetic acid, and a phosphoric acid salt of guanidinoacetic acid. GAA is preferably guanidinoacetic acid.

[0013]

By containing LMA, DLM, and GAA, the present feed additive is capable of improving the weight gain and the feed conversion ratio (FCR) in livestock. As compared to when only one of LMA and DLM is used or when one of LMA and DLM in combination with GAA are used, the present feed additive is capable of improving the weight gain and the feed conversion ratio in livestock.

[0014]

The mass ratio between LMA and DLM (LMA/DLM) in the present feed additive may be 0.05 or more, or may be 0.1 or more, or may be 0.3 or more, or may be 0.5 or more. The LMA/DLM may be 10.0 or less, or may be 5.0 or less, or may be 3.0 or less, or may be 2.0 or less. The LMA/DLM may be from 0.05 to 10.0, or may be from 0.1 to 5.0, or may be from 0.3 to 3.0, or may be from 0.5 to 2.0. In this description, when LMA includes two or more of the above-mentioned components, the mass of LMA refers to the total amount of them. In this description, when DLM includes two or more of the

above-mentioned components, the mass of DLM refers to the total amount of them.

[0015]

The content of GAA in the present feed additive may be 5 mass% or more, or may be 10 mass% or more, or may be 15 mass% or more, or may be 18 mass% or more, relative to the total amount of LMA and DLM. The content of GAA in the present feed additive may be 50 mass% or less, or may be 40 mass% or less, or may be 30 mass% or less, or may be 25 mass% or less, relative to the total amount of LMA and DLM. The content of GAA in the present feed additive may be from 5 mass% to 50 mass%, or may be from 10 mass% to 40 mass%, or may be from 15 mass% to 40 mass%, or may be from 15 mass% to 30 mass%, or may be from 15 mass% to 25 mass%, or may be from 18 mass% to 30 mass%, or may be from 18 mass% to 25 mass%, relative to the total amount of LMA and DLM.

[0016]

The content of LMA relative to the total amount of LMA, DLM, and GAA in the present feed additive which is defined as 100 mass% (hereinafter also called "the content of LMA in the present feed additive") may be 5 mass% or more, or may be 10 mass% or more, or may be 15 mass% or more, or may be 20 mass% or more, or may be 25 mass% or more, or may be 30 mass% or more, or may be 35 mass% or more. The content of LMA in the present feed additive may be 75 mass% or less, or may be 55 mass% or less, or may be 45 mass% or less. The content of LMA in the present feed additive may be from 5 mass% to 75 mass%, or may be from 10 mass% to 55 mass%, or may be from 15 mass% to 45 mass%, or may be from 20 mass% to 45 mass%, or may be from 25 mass% to 45 mass%, or may be from 30 mass% to 45 mass%, or may be from 35 mass% to 45 mass%.

[0017]

The content of DLM relative to the total amount of LMA, DLM, and GAA in the present feed additive which is defined as 100 mass% (hereinafter also called "the content of DLM in the present feed additive") may be 5 mass% or more, or may be 10 mass% or more, or may be 15 mass% or more, or may be 20 mass% or more, or may be 25 mass% or more, or may be 30 mass% or more, or may be 35 mass% or more. The content of DLM in the present feed additive may be 75 mass% or less, or may be 55 mass% or less, or may be 45 mass% or less. The content of DLM in the present feed additive may be from 5 mass% to 75 mass%, or may be from 10 mass% to 55 mass%, or may be from

[DOCUMENT NAME]CLAIMS

[Claim 1]

A feed additive comprising:

a methionine hydroxy analog and/or a calcium salt thereof;

methionine and/or a salt thereof; and

guanidinoacetic acid and/or a salt thereof.

[Claim 2]

The feed additive according to claim 1, further comprising a carrier.

[Claim 3]

The feed additive according to claim 2, wherein

the carrier includes a solid carrier, and

the solid carrier supports the methionine hydroxy analog.

[Claim 4]

A livestock feed comprising:

a methionine hydroxy analog and/or a calcium salt thereof;

methionine and/or a salt thereof;

guanidinoacetic acid and/or a salt thereof; and

a basic feed.

[Claim 5]

The livestock feed according to claim 4, further comprising a carrier.

[Claim 6]

The livestock feed according to claim 5, wherein

the carrier includes a solid carrier, and

the solid carrier supports the methionine hydroxy analog.

[Claim 7]

A method of rearing livestock, comprising feeding livestock with the livestock feed according to any one of claims 4 to 6.

[Claim 8]

The method of rearing according to claim 7, wherein the livestock are poultry.

[Claim 9]

A method of improving a weight gain and a feed conversion ratio in livestock, the method comprising feeding livestock with the livestock feed according to any one of claims 4 to 6.

[Claim 10]

The method according to claim 9, wherein the livestock are poultry.