[CLAIMS]

[Claim 1]

A method for preparing a methionine-metal chelate, comprising:

mixing methionine and $Ca(OH)_2$; and

adding metal nitrate to the mixture to produce a methionine-metal chelate.

[Claim 2]

The method of claim 1, wherein the methionine is L-methionine or DL-methionine.

[Claim 3]

The method of claim 1, wherein a metal in the metal nitrate is one or more metal selected from the group consisting of copper (Cu), zinc (Zn), and manganese (Mn).

[Claim 4]

The method of claim 1, wherein the metal nitrate is added at an equivalence ratio of 0.3 or more and 3.0 or less.

[Claim 5]

The method of claim 1, further comprising purifying the produced methionine-metal chelate.

[Claim 6]

The method of claim 1, further comprising drying the methionine-metal chelate.

[Claim 7]

A feed or feed additive comprising the methionine-metal chelate prepared by the method of claim 1.

[Claim 8]

A method for preparing calcium nitrate ($Ca(NO_3)_2$), comprising:

mixing methionine and $Ca(OH)_2$;

adding metal nitrate to the mixture to produce a methionine-metal chelate;

separating the produced methionine-metal chelate; and

concentrating a filtrate from which the methionine-metal chelate is separated.

[Claim 9]

The method of claim 8, wherein a metal in the metal nitrate is one or more metal selected from the group consisting of copper (Cu), zinc (Zn), and manganese (Mn).

[Claim 10]

The method of claim 8, further comprising drying, granulating, or crystallizing after the concentrating.

[Claim 11]

The method of claim 8, wherein the calcium nitrate is a fertilizer additive.