CLAIMS

[Claim 1]

A cosmetic ink comprising:

(A) a reflecting agent with an average particle size in the range of 125 nm to 2 μm, a 90% value (D90) of an integrated value of a particle size distribution of the reflecting agent being 3000 nm or less;

(B) a higher alcohol having 3 or more carbon atoms;

(C) purified water; and

(F) a binder.

[Claim 2]

The cosmetic ink according to Claim 1 or 2, further comprising

(E) a coloring material.

[Claim 3]

A cosmetic ink comprising:

(B) a higher alcohol having 3 or more carbon atoms;

(C) purified water;

(D) a film forming agent; and

(E) a coloring material,

wherein the (D) film forming agent is one or more compounds selected from the group consisting of acrylic polymers, polysaccharide polymers, sugar alcohols, sterols, esers, and modified corn starches.

[Claim 4]

The cosmetic ink according to Claim 4, wherein

the (D) film forming agent contains

at least one cyclic compound selected from the group consisting of acrylic polymers having a ring structure in their molecules, polysaccharide polymers, sugar alcohols, sterols, esers having a ring structure in their molecules, and modified corn starches, and

a chain compound containing at least one of an acrylic polymer having no ring structure in its molecules and an ester having no ring structure in its

molecules, and

the cyclic compound has a volume fraction in the range of 0.01 to 0.66 relative to a total volume of the cyclic compound and the chain compound.

[Claim 5]

The cosmetic ink according to Claim 4 or 5, wherein

the (B) higher alcohol content is 20% or less by mass, and

the (D) film forming agent content ranges from 0.1% by mass to 10% by mass.

[Claim 6]

The cosmetic ink according to Claim 4, wherein

the (D) film forming agent has an HLB value of 8 or more.

[Claim 7]

The cosmetic ink according to Claim 4, further comprising

(A) a reflecting agent.

[Claim 8]

The cosmetic ink according to Claim 3, wherein

the (E) coloring material has an average particle size in the range of 125 nm to 2 μm.

[Claim 9]

The cosmetic ink according to Claim 1, wherein

the cosmetic ink has a viscosity of 50 mPa·s or less measured with a cone-plate viscometer at a shear rate of 1000 (1/s) at 25°C.

[Claim 10]

The cosmetic ink according to Claim 1, wherein

the cosmetic ink has a pH in the range of 6 to 10.

[Claim 11]

The cosmetic ink according to Claim 1, wherein

the cosmetic ink has a surface tension of 50 mN/m or less.

[Claim 12]

An ink jet printing ink comprising

the cosmetic ink according to Claim 1.

[Claim 13]

An ink cartridge comprising

the cosmetic ink according to Claim 1.

[Claim 14]

A method for producing a cosmetic sheet, comprising:

applying the cosmetic ink according to Claim 1 to a substrate by an ink jet method; and

drying the cosmetic ink applied to the substrate.

[Claim 15]

The method for producing a cosmetic sheet according to Claim 15, wherein

the substrate has a thickness of 10 μm or less.

[Claim 16]

The method for producing a cosmetic sheet according to Claim 15, wherein

the cosmetic sheet has a light transmittance of 70% or less at a wavelength in the range of 380 to 780 nm.

[Claim 17]

A method for producing a cosmetic sheet, comprising:

mixing a plurality of inks of different compositions to prepare a mixed ink;

applying the mixed ink to a substrate; and

drying the mixed ink applied to the substrate,

wherein at least one ink of the plurality of inks is the cosmetic ink according to any one of Claims 1 to 12.

[Claim 18]

A method for producing a cosmetic sheet, comprising:

successively applying a plurality of inks of different compositions to a substrate; and

drying the inks applied to the substrate,

wherein at least one ink of the plurality of inks is the cosmetic ink according to Claim 1.

[Claim 19]

A cosmetic sheet comprising:

a sheet; and

a film of a solidified product of the cosmetic ink according to Claim 1 formed on the sheet.