【CLAIMS】

【Claim 1】

A multilamella nanoliposome comprising:

a polyglyceryl-based surfactant substituted with $C_{16}$ to $C_{22}$ acyl group,

a hydrogenated lecithin, and

a fatty acid,

wherein an efficacious material is stably collected,

wherein the hydrogenated lecithin has a content of 1 to 5 wt% based on a multilamella nanoliposome dispersion liquid, and

wherein the polyglyceryl-based surfactant substituted with $C_{16}$ to $C_{22}$ acyl group has a content of 3 to 12 wt% based on a multilamella nanoliposome dispersion liquid.

【Claim 2】

The multilamella nanoliposome of claim 1, wherein the efficacious material is at least any one of a peptide derived from a living body, hyaluronic acid, ceramide, and tocopherol.

【Claim 3】

The multilamella nanoliposome of claim 1, wherein the polyglyceryl-based surfactant substituted with $C_{16}$ to $C_{22}$ acyl group includes at least one of polyglyceryl stearate,

polyglyceryl palmitate, and polyglyceryl behenate.

【Claim 4】

The multilamella nanoliposome of claim 2, wherein the peptide derived from a living body includes at least one of copper peptide, argireline, palmitoyl oligopeptide, and palmitoyl tetrapeptide.

【Claim 5】

The multilamella nanoliposome of claim 1, wherein the multilamella nanoliposome has a size of 50 to 500 nm.

【Claim 6】

The multilamella nanoliposome of claim 1, wherein a lamellar structure of the multilamella nanoliposome is a multilayer structure including 5 to 7 layers and having an interlayer spacing of 20 to 50 nm.

【Claim 7】

A cosmetic composition for skin moisturizing comprising:

the multilamella nanoliposome of any one of claims 1 to 6.

【Claim 8】

A preparation method for multilamella nanoliposome comprising:

a) mixing an oil phase component including a polyglyceryl-based surfactant substituted with $C_{16}$ to $C_{22}$ acyl group, a hydrogenated lecithin, and a fatty acid;

b) performing emulsification by adding the oil phase component to a water phase component at 60 to 80 ℃;

c) performing high-pressure emulsification to form a nanosized liposome at a pressure of 500 to 1500 bar at 50 to 60 ℃; and

d) dispersing a thickener, followed by cooling, thereby stabilizing the liposome after the step c),

wherein the hydrogenated lecithin in step a) has a content of 1 to 5 wt% based on a multilamella nanoliposome dispersion liquid, and

wherein the polyglyceryl-based surfactant substituted with $C_{16}$ to $C_{22}$ acyl group in step a) has a content of 3 to 12 wt% based on a multilamella nanoliposome dispersion liquid.