CLAIMS

[Claim 1]

An optical styrene-based resin composition comprising a styrene-based resin, wherein with respect to 1 g of the optical styrene-based resin composition:

a content of a styrene-based monomer is 1000 μg or less; and

a total content of a styrene-based monomer linear dimer and a styrene-based monomer linear trimer is 10 to 500 μg.

[Claim 2]

The optical styrene-based resin composition of Claim 1, wherein the styrene-based resin is a copolymer comprising 95 to 20 mass% of a styrene-based monomer unit and 5 to 80 mass% of a (meth)acrylic acid ester-based monomer unit.

[Claim 3]

The optical styrene-based resin composition of Claim 1 or 2, wherein a content of a phosphorus atom is 50 μg or less with respect to 1 g of the optical styrene-based resin composition.

[Claim 4]

The optical styrene-based resin composition of any one of Claims 1 to 3, satisfying a following formula (1),

wherein M (μg) is the content of the styrene-based monomer, D (μg) is a content of the styrene-based monomer linear dimer, T (μg) is a content of the styrene-based monomer linear trimer, and P (μg) is a content of a phosphorus atom, with respect to 1 g of the optical styrene-based resin composition.

$$(M + D + T) \times P \leq 20000 \quad (1)$$

[Claim 5]

The optical styrene-based resin composition of any one of Claims 1 to 4, comprising 0.001 to 0.5 parts by mass of a hindered amine light stabilizer with respect to 100 parts by mass of the styrene-based resin.

[Claim 6]

The optical styrene-based resin composition of any one of Claims 1 to 5, for use in transmitting light from an LED light source having a maximum emission intensity in a wavelength region of 400 nm to 500 nm.

[Claim 7]

A molded body composed of the optical styrene-based resin composition of any one of Claims 1 to 6.

[Claim 8]

A light guide plate comprising the molded body of Claim 7.

[Claim 9]

An edge-light type planar light source unit, comprising the light guide plate of Claim 8, and a light source which supplies LED light to an end face of the light guide plate.