CLAIMS

1. A polyvinyl alcohol resin comprising a polyvinyl alcohol as a substantially sole polymer component,

wherein the polyvinyl alcohol resin has:

an absorbance Abs_{320} at an optical path length of 10 mm and a wavelength of 320 nm being 0.09 or more, when prepared into a 0.1% by mass aqueous solution;

a ratio (Abs_{320}/Abs_{370}) of the absorbance Abs_{320} to an absorbance Abs_{370} at an optical path length of 10 mm and a wavelength of 370 nm being 4.9 or less, when prepared into the 0.1% by mass aqueous solution; and

a total content of divalent metal elements and trivalent metal elements being less than 30 μmol/g.

2. The polyvinyl alcohol resin according to claim 1, wherein the ratio (Abs_{320}/Abs_{370}) is 2.0 or more.

3. The polyvinyl alcohol resin according to claim 1 or 2, wherein the absorbance Abs_{320} is less than 0.30.

4. The polyvinyl alcohol resin according to any one of claims 1 to 3, wherein the polyvinyl alcohol resin has a viscosity at 20 °C being 4.5 mPa·s or more and 8.0 mPa·s or less, when prepared into a 4% by mass aqueous solution.

5. A dispersant for suspension polymerization, comprising the polyvinyl alcohol resin according to any one of claims 1 to 4.

6. A method for producing vinyl polymer particles, the method comprising a suspension polymerization process of a vinyl compound using the dispersant for suspension polymerization according to claim 5.

7. A method for producing the polyvinyl alcohol resin according to any one of claims 1 to 4, the method comprising heating process of a saponified polyvinyl ester with stirring in a container, wherein

the heating with stirring is performed at 90 °C or more and 180 °C or less for 350 min or more and 1,300 min or less, while circulating a gas in the container, and

a circulation rate of the gas with respect to 100 parts by mass of the saponified polyvinyl ester is 2 parts by mass or more and 11 parts by mass or less per hour.