CLAIMS:

1. An ethylene-vinyl alcohol copolymer resin composition comprising:

an ethylene-vinyl alcohol copolymer; and

at least one component selected from the group consisting of:

(A) not greater than 500 ppm of a cinnamic acid component based on a weight of the resin composition;

(B) not greater than 300 ppm of a lubricant based on the weight of the resin composition;

(C) not greater than 400 ppm of a boron compound on a boron basis based on the weight of the resin composition; and

(D) not greater than 800 ppm of a conjugated polyene compound based on the weight of the resin composition,

wherein the ethylene-vinyl alcohol copolymer comprises monomer units including at least an ethylene unit and a vinyl alcohol unit, and a carboxylic acid group and a lactone ring present in terminal structures thereof,

wherein the carboxylic acid group includes carboxylic acid and carboxylic acid salt; and

wherein a ratio (Y/Z) of a lactone ring content (Y) to a sum (Z) of a carboxylic acid content (X) and the lactone ring content (Y) is not less than 55 % in molar ratio.

2. The ethylene-vinyl alcohol copolymer resin composition according to claim 1, wherein the sum (Z) of the carboxylic acid content (X) and the lactone ring content (Y) is 0.01 to 0.3 mol % based on a total amount of the monomer units of the EVOH.

3. The ethylene-vinyl alcohol copolymer resin composition according to claim 1 or 2, wherein the lactone ring content (Y) is 0.01 to 0.3 mol % based on the total amount of the

monomer units of the ethylene-vinyl alcohol copolymer.

4. The ethylene-vinyl alcohol copolymer resin composition according to any one of claims 1 to 3, wherein the carboxylic acid content (X) is 0.01 to 0.3 mol % based on the total amount of the monomer units of the ethylene-vinyl alcohol copolymer.

5. A multilayer structure comprising a plurality of layers at least one of which comprises the ethylene-vinyl alcohol copolymer resin composition according to any one of claims 1 to 4.