What is claimed is:

Claim 1. A method for improving the dimensional stability of a biodegradable film, comprising providing a poly(hydroxyalkanoate)-based blown polymer film to a nip roller, feeding the poly(hydroxyalkanoate)-based blown polymer film to an annealing roller, and heating the blown film by contact with the annealing roller for a predetermined period of time ranging from about 1 second to about one minute and at a temperature ranging from about 80 to about 150 ºC.

Claim 2. The method of claim 1, wherein the blown film is heated to a temperature ranging from about 100 to about 120 ºC.

Claim 3. The method of claim 1, wherein the blown film has a thickness ranging from about 7 microns to about 250 microns.

Claim 4. The method of claim 1, wherein the poly(hydroxyalkanoate)-based blown polymer film was stretched in the machine direction from about 0.3 times to about 10 times.

Claim 5. The method of claim 1, wherein the poly(hydroxyalkanoate)-based blown polymer film was stretched in the transverse direction from about 0.3 times to about 10 times.

Claim 6. A poly(hydroxyalkanoate)-based film made by the method of claim 1.

Claim 7. A dimensionally-stable, biodegradable packaging film comprising the poly(hydroxyalkanoate)-based film of claim 6.

Claim 8. A method for improving the dimensional stability of a biodegradable film, comprising providing a poly(hydroxyalkanoate)-based bi-axially oriented polymer film with various machine direction orientation (MDO) and various transverse-direction orientation (TDO), feeding the bi-axially orientation film to an annealing roller, and heating the bi-axially orientation film by contact with the annealing roller for a predetermined period of time ranging from about 1 second to about one minute and at a temperature ranging from about 80 to about 150 ºC.

Claim 9. The method of claim 8, wherein the bi-axially oriented polymer film is heated to a temperature ranging from about 100 to about 120 ºC.

Claim 10. The method of claim 8, wherein the bi-axially oriented polymer film has a thickness ranging from about 7 microns to about 250 microns.

Claim 11. A bi-axially oriented poly(hydroxyalkanoate)-based film made by the method of claim 8.

Claim 12. A dimensionally-stable, biodegradable packaging film comprising the bi-axially oriented poly(hydroxyalkanoate)-based film of claim 11.