WHAT IS CLAIMED IS:

1. A sealed contact lens package comprising a sterile, unworn, non-ionic contact lens and a contact lens packaging solution comprising between 5-250ppm epsilon polylysine (εPLL), wherein the unworn contact lens exhibits reduced contamination from at least one microbe due to the presence of εPPL in the packaging solution, wherein said reduced contamination is determined by a test where *Pseudomonas aeruginosa* (PA) introduced to the lens during removal from the contact lens packaging solution compared to a control contact lens packaged in an identical contact lens packaging solution but without said εPLL, and wherein the unworn contact less results in less than a two log kill of PA compared to the control contact lens when tested after 24 hours incubation with 10^4 CFU PA using an *in vitro* bioactivity assay.

2. The package of claim 1, wherein the contact lens is a silicone hydrogel contact lens.

3. The package of any preceding claim, wherein the contact lens is a daily disposable contact lens.

4. The package of any preceding claim, wherein the sealed contact lens package comprises a plastic base member that comprises a cavity and a flange region extending outwardly around the cavity, and a removable foil attached to the flange region.

5. A sealed contact lens package comprising:

a) a plastic base member comprising a cavity which retains a sterile, unworn, non-ionic contact lens and a contact lens packaging solution comprising between 5-250ppm epsilon polylysine (εPLL); and

b) a resealable cover that forms a liquid-tight seal with the plastic base member, wherein the unworn contact lens exhibits reduced contamination from at least one microbe due to the presence of εPPL in the packaging solution, wherein said reduced contamination is determined by a test where *Pseudomonas aeruginosa* (PA) introduced to the lens during removal from the contact lens packaging solution compared to a control contact lens packaged in an identical contact lens packaging solution but without said εPLL.

6. The package of claim 5, wherein the contact lens is a silicone hydrogel contact lens.

7. The package of any one of claims 5-6, wherein the contact lens is a daily wear contact lens.

8. The package of any one of claims 5-7, wherein the plastic base member comprises a plurality of threads for engagement with a compatible set of threads on the resealable cover.

9. The package of any preceding claim, wherein the at least one microbe is *Pseudomonas aeruginosa.*

10. The package of any preceding claim, wherein the at least one microbe is *Staphylococcus aureus.*

11. The package of any preceding claim, wherein the at least one microbe is a microbe found in microbial keratitis.

12. A method of manufacturing the sealed contact lens package, said method comprising: placing an unworn, non-ionic contact lens and a contact lens packaging solution comprising between 5-250ppm εPLL in a receptacle configured to receive a contact lens and sealing the receptacle with a cover to provide a sealed contact lens package, wherein the unworn contact lens exhibits reduced contamination from at least one microbe, wherein said reduced contamination is determined by a test where *Pseudomonas aeruginosa* (PA) introduced to the lens during removal from the contact lens packaging solution compared to a control contact lens packaged in an identical contact lens packaging solution but without said εPLL, and wherein the contact lens package comprises a resealable cover.

13. The method of claim 12, further comprising sterilizing the unworn contact lens by autoclaving the sealed contact lens package.

14. The method of claim 12, or claim 13, wherein the unworn contact less results in less than a two log kill of PA compared to the control contact lens when tested after 24 hours incubation with 10^4 CFU PA using an *in vitro* bioactivity assay.

15. A method of manufacturing a sealed contact lens package, said method comprising: placing an unworn, non-ionic contact lens and a contact lens packaging solution comprising between 5-250ppm epsilon polylysine (εPLL) in a receptacle configured to receive a contact lens and sealing the receptacle with a cover to provide a sealed contact lens package,

wherein the unworn contact lens results in not more than a two log kill of *Pseudomonas aeruginosa* (PA) compared to a control contact lens packaged in an identical contact lens packaging solution but without said εPLL when tested after 24 hours incubation with 10^4 CFU PA using an *in vitro* bioactivity assay, and wherein said unworn contact lens exhibits reduced contamination from PA introduced to the lens during removal from the contact lens packaging solution compared to the control contact lens.

16. The method of claim 15, further comprising sterilizing the unworn contact lens by autoclaving the sealed contact lens package.