11. The process of Claim 11, wherein the process further comprises adding hydrochloric acid before said removing at least a portion of the salt.

12. The process of any one of Claims 9-11, wherein isolating L-ornithine benzoate comprises crystallizing L-ornithine benzoate from said intermediate solution.

13. The process of any one of Claims 1-12, wherein the base is selected from the group consisting of an alkali metal hydroxide and an alkali metal alkoxide.

14. The process of any one of Claims 1-13, further comprising forming L-ornithine benzoate, wherein forming L-ornithine benzoate comprises intermixing an L-ornithine salt, a benzoate salt and a second solvent to form an intermediate solution.

15. The process of any one of Claims 1-14, wherein said composition comprises at least about 0.10% by weight benzoate salt.

16. The process of any one of Claims 1-15, wherein said composition comprises no more than 5% by weight benzoate salt.

17. The process of Claim 16, wherein said composition comprises no more than 3% by weight benzoate salt.

18. The process of Claim 17, wherein said composition comprises no more than 1% by weight benzoate salt.

19. The process of any one of Claims 14-18, wherein the L-ornithine salt is L-ornithine hydrochloride.

20. The process of any one of Claims 14-19, wherein the benzoate salt is silver benzoate.

21. The process of Claim 20, wherein said composition further comprises at least 10 ppm silver.

22. The process of Claim 21, wherein said composition comprises at least 20 ppm silver.

23. The process of Claim 22, wherein said composition comprises at least 25 ppm silver.

24. The process of any one of Claims 1-23, wherein said composition comprises no more than 600 ppm silver.

25. The process of Claim 24, wherein said composition comprises no more than 100 ppm silver.

26. The process of Claim 25, wherein the composition comprises no more than 65 ppm silver.

27. The process of any one of Claims 1-26, wherein the phenyl acetate salt is an alkali metal salt.

28. The process of Claim 27, wherein the alkali metal salt is sodium phenyl acetate.

29. The process of Claim 28, wherein said composition comprises no more than 100 ppm sodium.

30. The process of Claim 29, wherein said composition comprises no more than 20 ppm sodium.

31. The process of any one of Claims 1-30, wherein the composition comprises no more than 0.1% by weight chloride.

32. The process of Claim 31, wherein the composition comprises no more than 0.01% by weight chloride.

33. The process of any one of Claims 1-32, wherein the composition comprises a crystalline form exhibiting an X-ray powder diffraction pattern comprising at least one characteristic peak, wherein said characteristic peak is selected from the group consisting of approximately 6.0°, 13.9°, 14.8°, 17.1°, 17.8° and 24.1° 2θ.

34. A process for making L-ornithine phenyl acetate salt comprising:

intermixing an L-ornithine salt, silver phenyl acetate and a solvent to form a solution; and

isolating a composition comprising L-ornithine phenyl acetate from said solution.

35. The process of Claim 34, wherein the L-ornithine salt is a halide salt.

36. The process of Claim 35, wherein the L-ornithine salt is L-ornithine hydrochloride.

37. The process of Claim 35, wherein the L-ornithine salt is not L-ornithine hydrochloride.

38. The process of any one of Claims 34-37, further comprising preparing the silver phenyl acetate by mixing a phenyl acetic acid and a base in a solvent.

39. The process of any one of Claims 34-38, wherein the process further comprises adding hydrochloric acid to the solution before isolating L-ornithine phenyl acetate from the solution.

40. The process of any one of Claims 34-39, wherein said composition further comprises at least 10 ppm silver.

41. The process of Claim 40, wherein said composition comprises at least 20 ppm silver.

42. The process of Claim 40, wherein said composition comprises at least 25 ppm silver.

43. The process of any one of Claims 34-42, wherein said composition comprises no more than 600 ppm silver.

44. The process of Claim 43, wherein said composition comprises no more than 100 ppm silver.

45. The process of Claim 43, wherein the composition comprises no more than 65 ppm silver.

46. The process of any one of Claims 34-45, wherein said composition comprises no more than 100 ppm sodium.

47. The process of Claim 46, wherein said composition comprises no more than 20 ppm sodium.

48. The process of any one of Claims 34-47, wherein the composition comprises no more than 0.1% by weight chloride.

49. The process of any one of Claims 34-48, wherein the composition comprises no more than 0.01% by weight chloride.

50. The process of any one of Claims 34-49, wherein the composition comprises a crystalline form exhibiting an X-ray powder diffraction pattern comprising at least one characteristic peak, wherein said characteristic peak is selected from the group consisting of approximately 6.0°, 13.9°, 14.8°, 17.1°, 17.8° and 24.1° 2θ.

51. A composition prepared according to the method of any one of 1-50.

11. The process of Claim 10, wherein the process further comprises adding hydrochloric acid before said removing at least a portion of the salt.

12. The process of any one of Claims 9-11, wherein isolating L-ornithine benzoate comprises crystallizing L-ornithine benzoate from said intermediate solution.

13. The process of any one of Claims 1-12, wherein the base is selected from the group consisting of an alkali metal hydroxide and an alkali metal alkoxide.

14. The process of any one of Claims 1-13, further comprising forming L-ornithine benzoate, wherein forming L-ornithine benzoate comprises intermixing an L-ornithine salt, a benzoate salt and a second solvent to form an intermediate solution.

15. The process of any one of Claims 1-14, wherein said composition comprises at least 0.10% by weight benzoate salt.

16. The process of any one of Claims 1-15, wherein said composition comprises no more than 5% by weight benzoate salt.

17. The process of Claim 16, wherein said composition comprises no more than 3% by weight benzoate salt.

18. The process of Claim 17, wherein said composition comprises no more than 1% by weight benzoate salt.

19. The process of any one of Claims 14-18, wherein the L-ornithine salt is L-ornithine hydrochloride.

20. The process of any one of Claims 14-19, wherein the benzoate salt is silver benzoate.

21. The process of Claim 20, wherein said composition further comprises at least 10 ppm silver.

22. The process of Claim 21, wherein said composition comprises at least 20 ppm silver.

23. The process of Claim 22, wherein said composition comprises at least 25 ppm silver.

24. The process of any one of Claims 1-23, wherein said composition comprises no more than 600 ppm silver.

25. The process of Claim 24, wherein said composition comprises no more than 100 ppm silver.

26. The process of Claim 25, wherein the composition comprises no more than 65 ppm silver.

27. The process of any one of Claims 1-26, wherein the phenyl acetate salt is an alkali metal salt.

28. The process of Claim 27, wherein the alkali metal salt is sodium phenyl acetate.

29. The process of Claim 28, wherein said composition comprises no more than 100 ppm sodium.

30. The process of Claim 29, wherein said composition comprises no more than 20 ppm sodium.

31. The process of any one of Claims 1-30, wherein the composition comprises no more than 0.1% by weight chloride.

32. The process of Claim 31, wherein the composition comprises no more than 0.01% by weight chloride.

33. The process of any one of Claims 1-32, wherein the composition comprises a crystalline form exhibiting an X-ray powder diffraction pattern comprising at least one characteristic peak, wherein said characteristic peak is selected from the group consisting of approximately 6.0°, 13.9°, 14.8°, 17.1°, 17.8° and 24.1° 2θ.

34. A process for making L-ornithine phenyl acetate salt comprising:

intermixing an L-ornithine salt, silver phenyl acetate and a solvent to form a solution;

adding hydrochloric acid to the solution; and

isolating a composition comprising L-ornithine phenyl acetate from said solution.

35. The process of Claim 34, wherein the L-ornithine salt is a halide salt.

36. The process of Claim 35, wherein the L-ornithine salt is L-ornithine hydrochloride.

37. The process of Claim 35, wherein the L-ornithine salt is not L-ornithine hydrochloride.

38. The process of any one of Claims 34-37, wherein said composition further comprises at least 10 ppm silver.

39. The process of Claim 38, wherein said composition comprises at least 20 ppm silver.

40. The process of Claim 38, wherein said composition comprises at least 25 ppm silver.

41. The process of any one of Claims 34-40, wherein said composition comprises no more than 600 ppm silver.

42. The process of Claim 41, wherein said composition comprises no more than 100 ppm silver.

43. The process of Claim 41, wherein the composition comprises no more than 65 ppm silver.

44. The process of any one of Claims 34-43, wherein said composition comprises no more than 100 ppm sodium.

45. The process of Claim 44, wherein said composition comprises no more than 20 ppm sodium.

46. The process of any one of Claims 34-45, wherein the composition comprises no more than 0.1% by weight chloride.

47. The process of any one of Claims 34-46, wherein the composition comprises no more than 0.01% by weight chloride.

48. The process of any one of Claims 34-47, wherein the composition comprises a crystalline form exhibiting an X-ray powder diffraction pattern comprising at least one characteristic peak, wherein said characteristic peak is selected from the group consisting of approximately 6.0°, 13.9°, 14.8°, 17.1°, 17.8° and 24.1° 2θ.