APPENDIX 5. PROBABILITY DENSITY FUNCTIONS FOR THE TIMBER PROPERTIES OF PLANTATION BLACKBUTT TIMBER (WITHIN—TREE AND BETWEEN—TREES)

A5.1. Probability Density Functions: Plantation Blackbutt

a) Within—Tree Variability

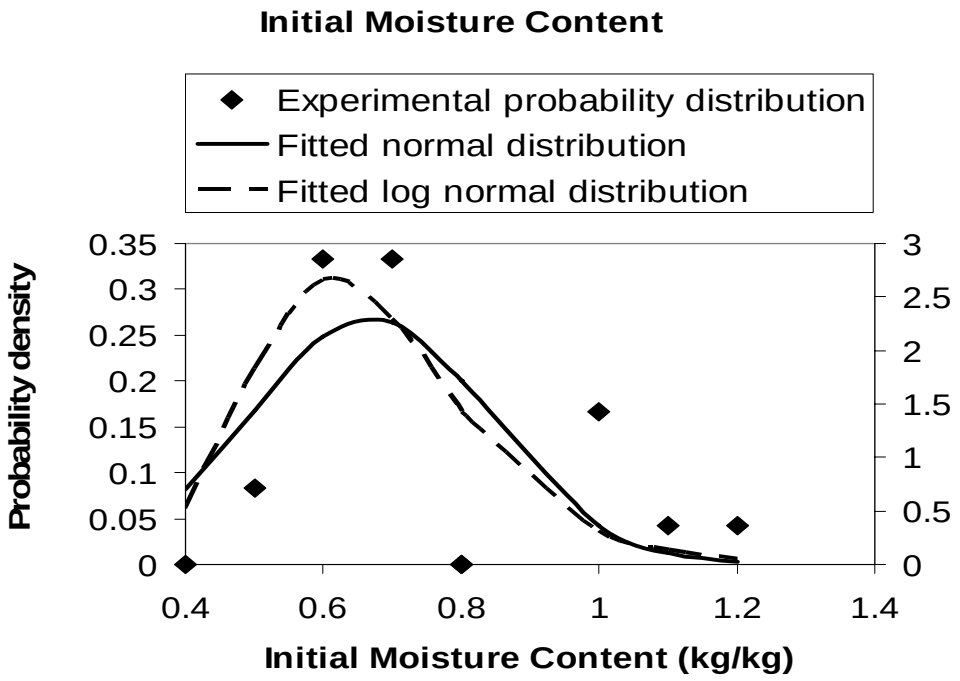

Figure A5.1. Probability density functions for the initial moisture content.

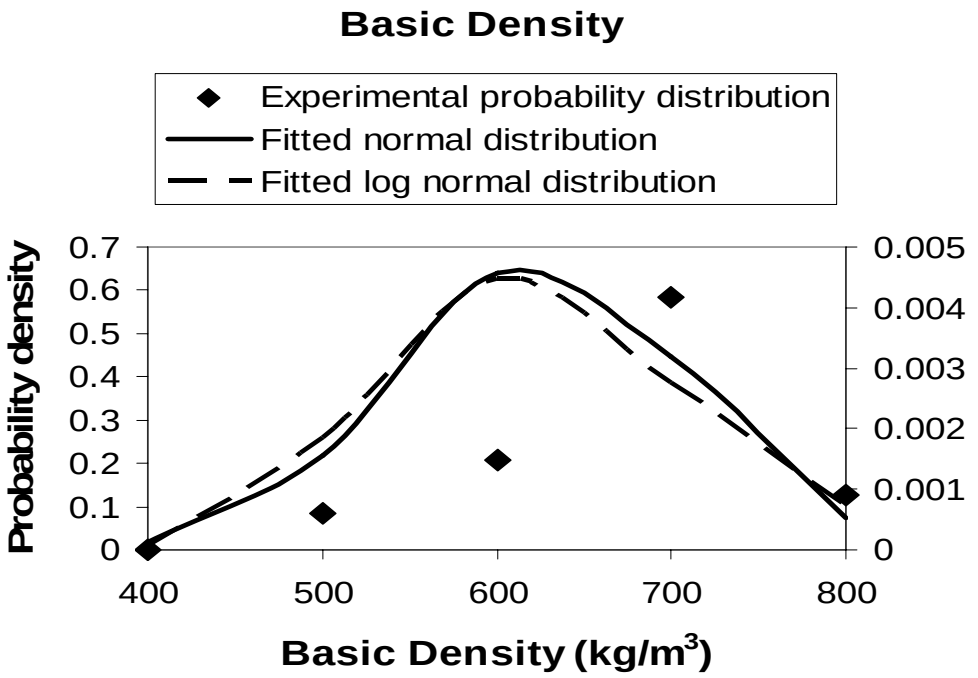

Figure A5.2. Probability density functions for the basic density.

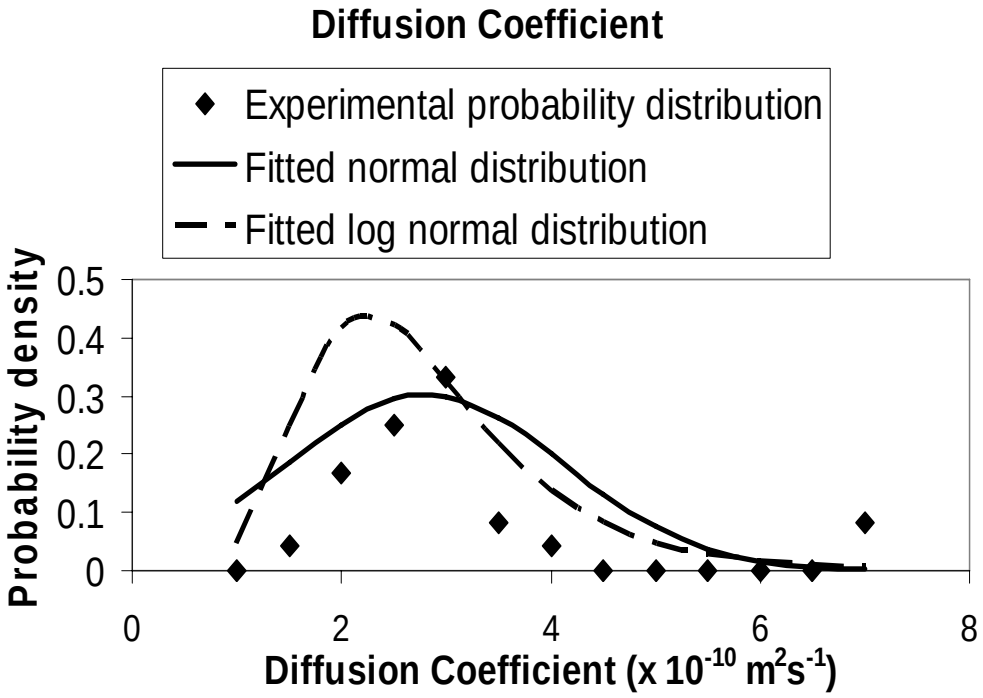

Figure A5.3. Probability density functions for the diffusion coefficient.

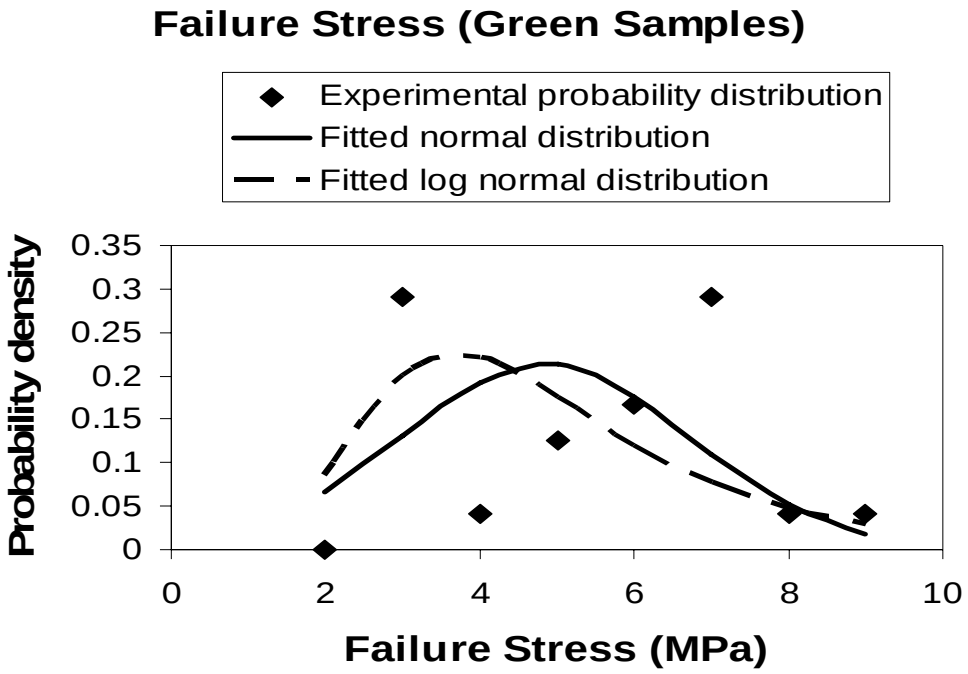

Figure A5.4. Probability density functions for the failure stress of the green samples.

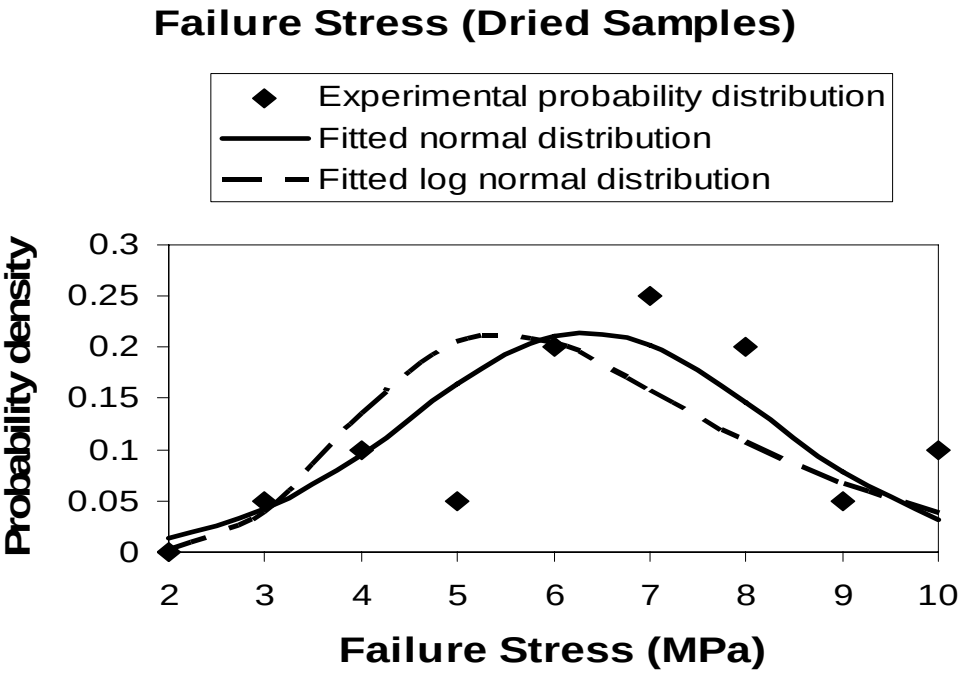

Figure A5.5. Probability density functions for the failure stress of the dried samples.

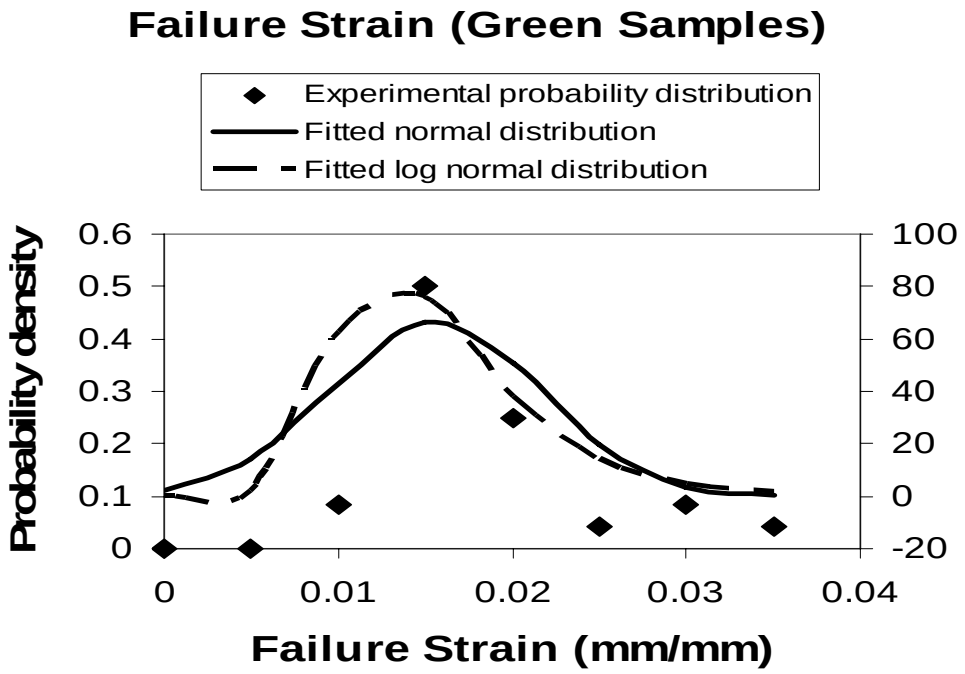

Figure A5.6. Probability density functions for the failure strain of the green samples.

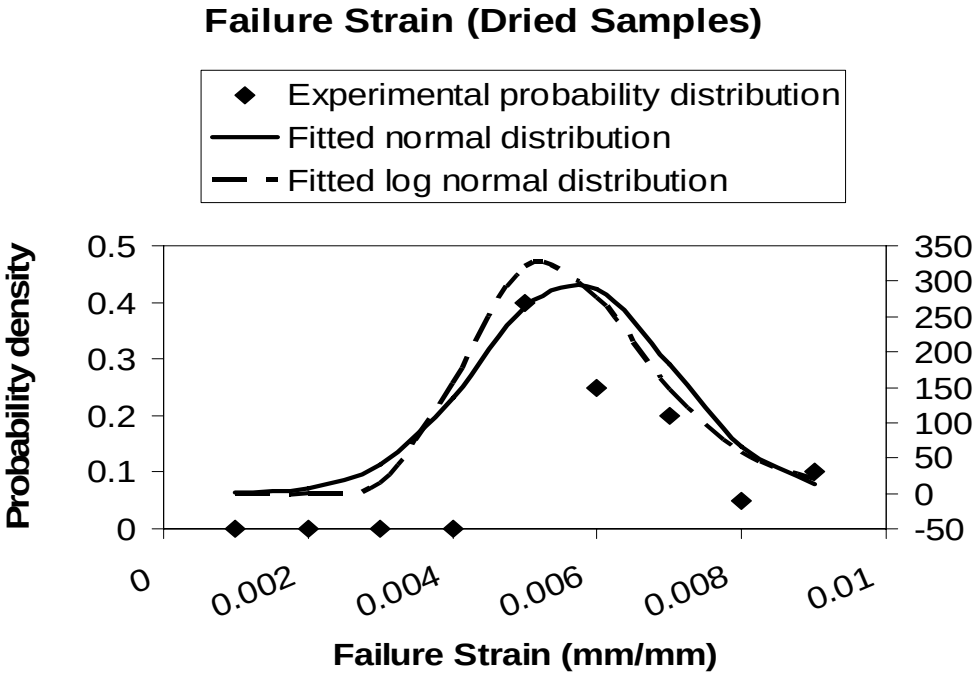

Figure A5.7. Probability density functions for the failure strain of the dried samples.

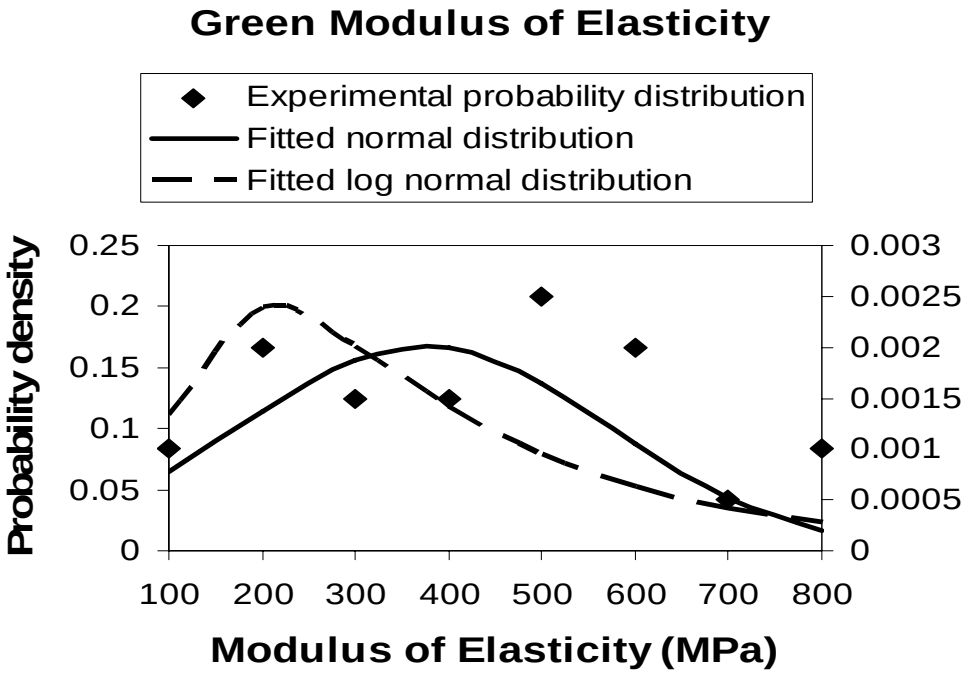

Figure A5.8. Probability density functions for the modulus of elasticity of the green samples.

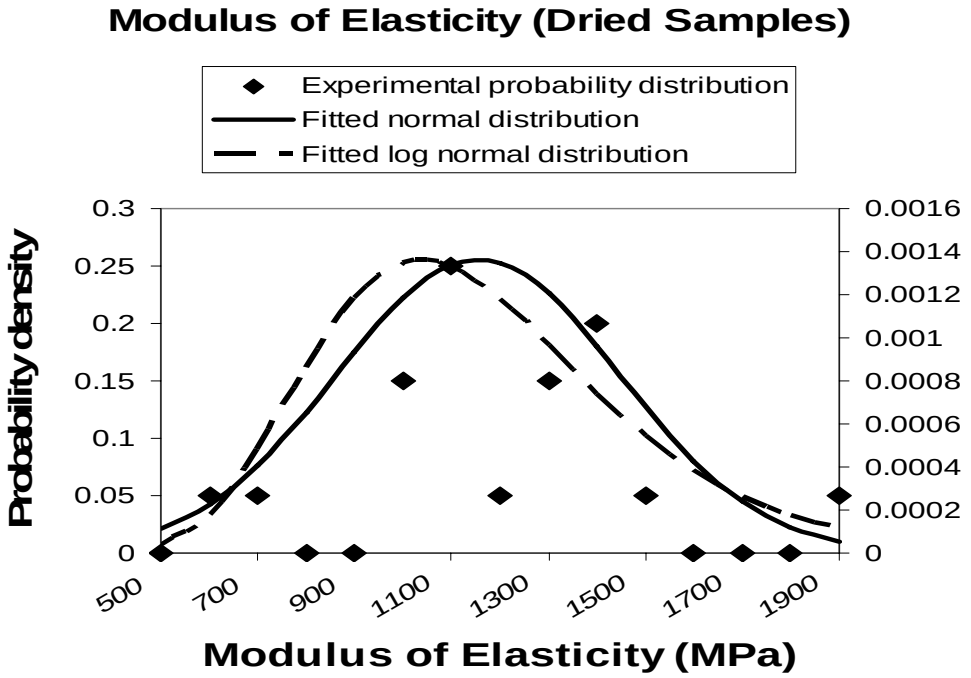

Figure A5.9. Probability density functions for the modulus of elasticity of the dried samples.

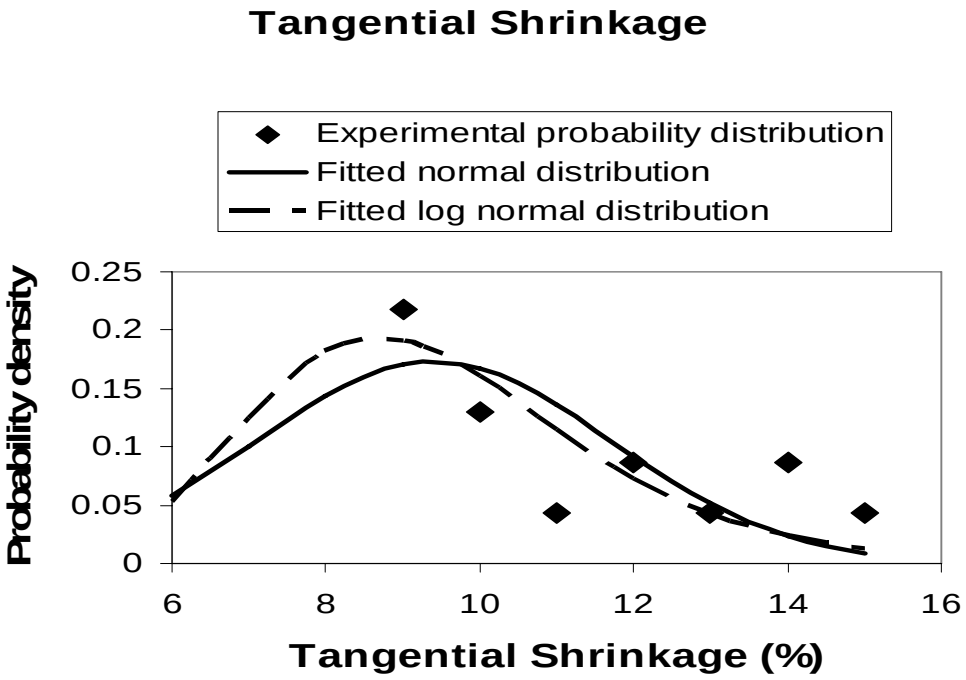

Figure A5.10. Probability density functions for the tangential shrinkage.

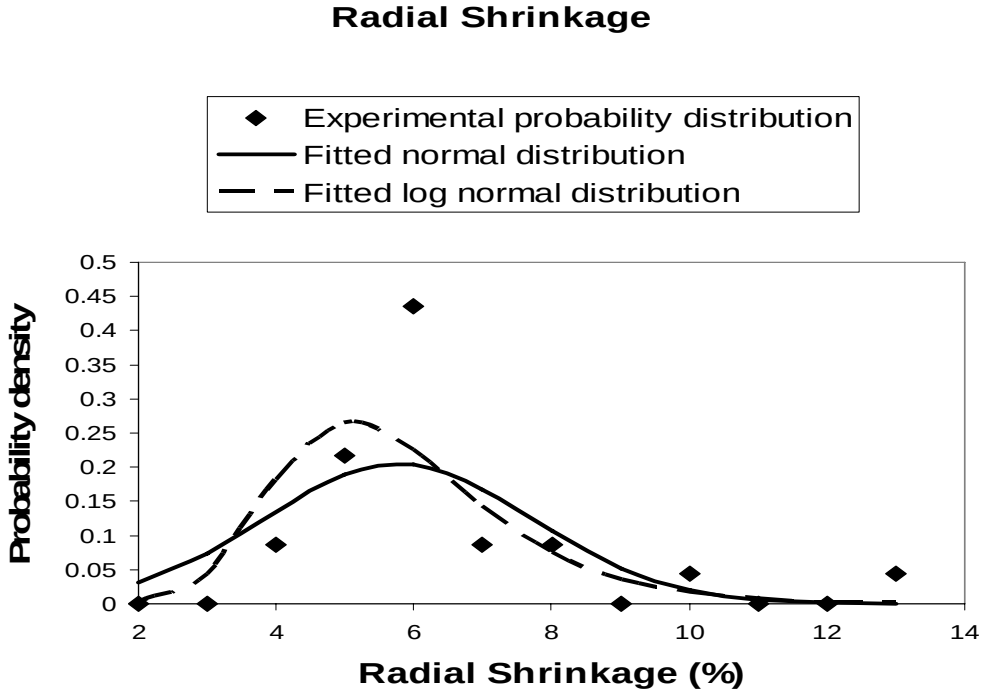

Figure A5.11. Probability density functions for the radial shrinkage.

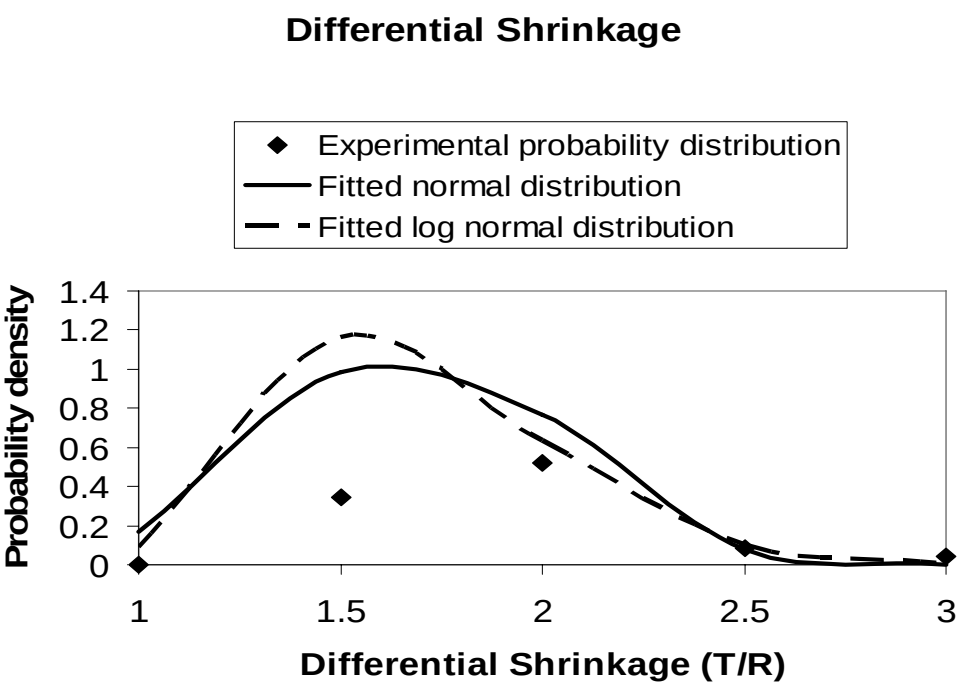

Figure A5.12. Probability density functions for the differential shrinkage.

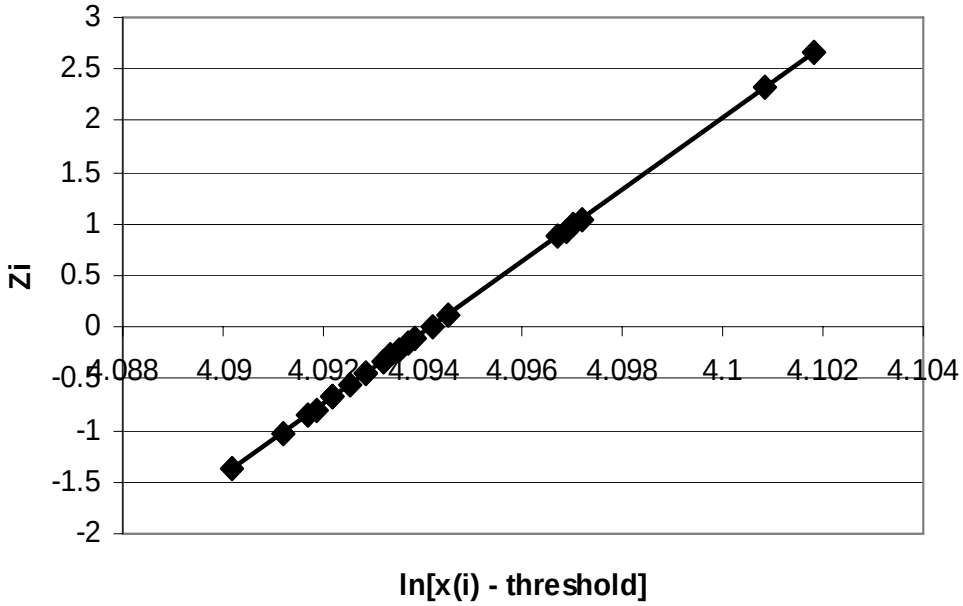

Figure A5.13. Three—parameter lognormal probability plot for the initial moisture content (considering the threshold).

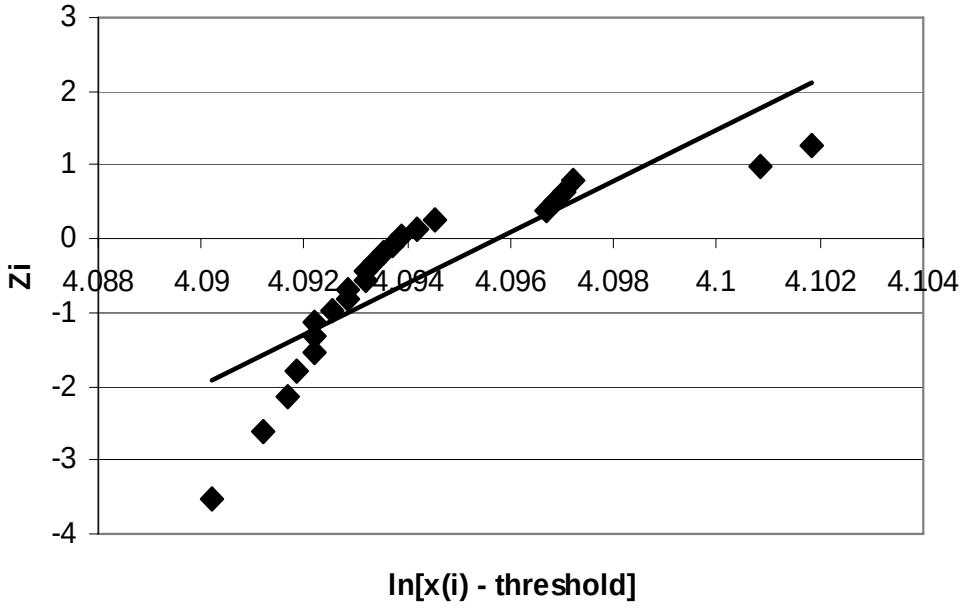

Figure A5.14. Weibull probability plot for the initial moisture content.

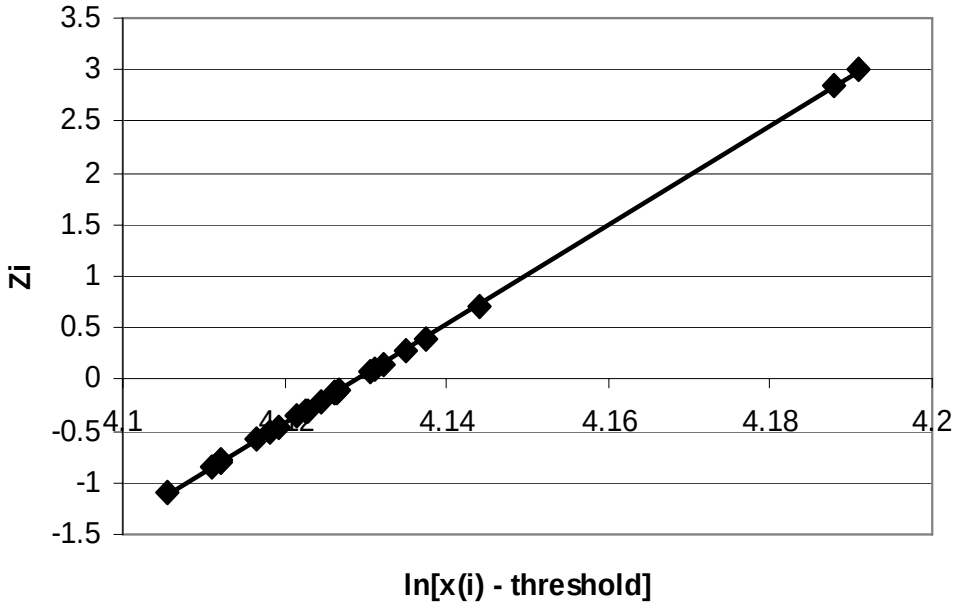

Figure A5.15. Three—parameter lognormal probability plot for the diffusion coefficient (considering the threshold).

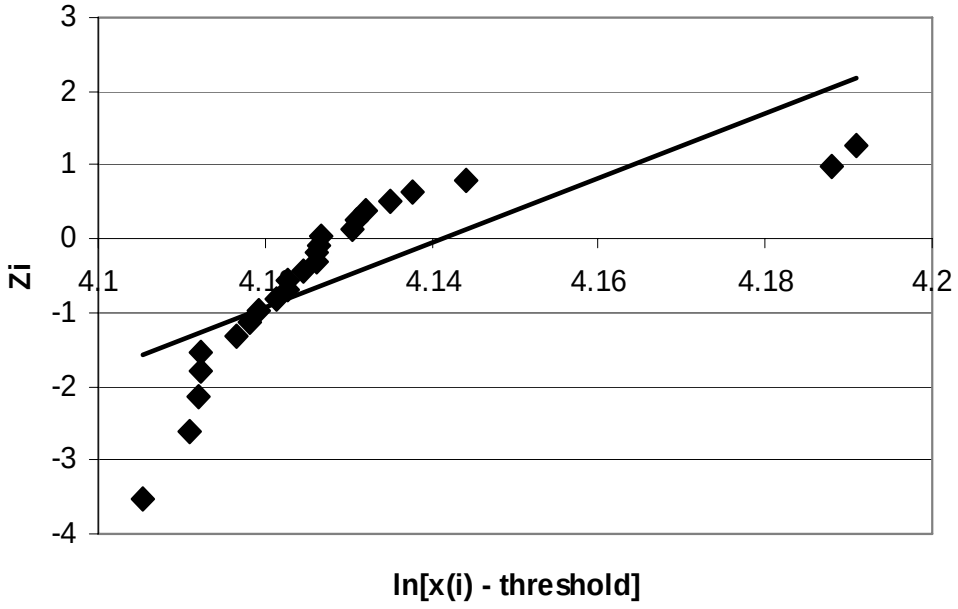

Figure A5.16. Weibull probability plot for the diffusion coefficient.

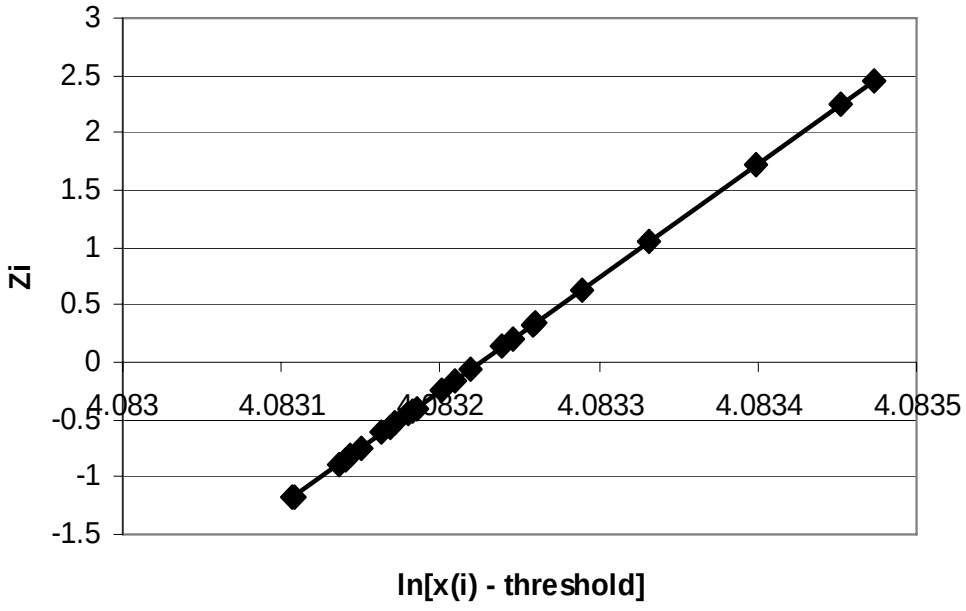

Figure A5.17. Three—parameter lognormal probability plot for the green failure strain (considering the threshold).

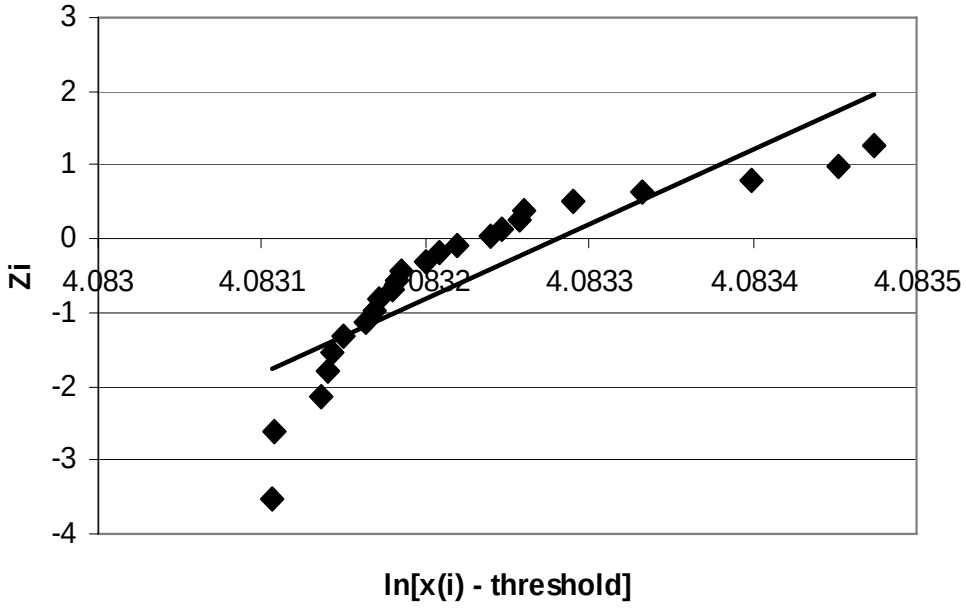

Figure A5.18. Weibull probability plot for the green failure strain.

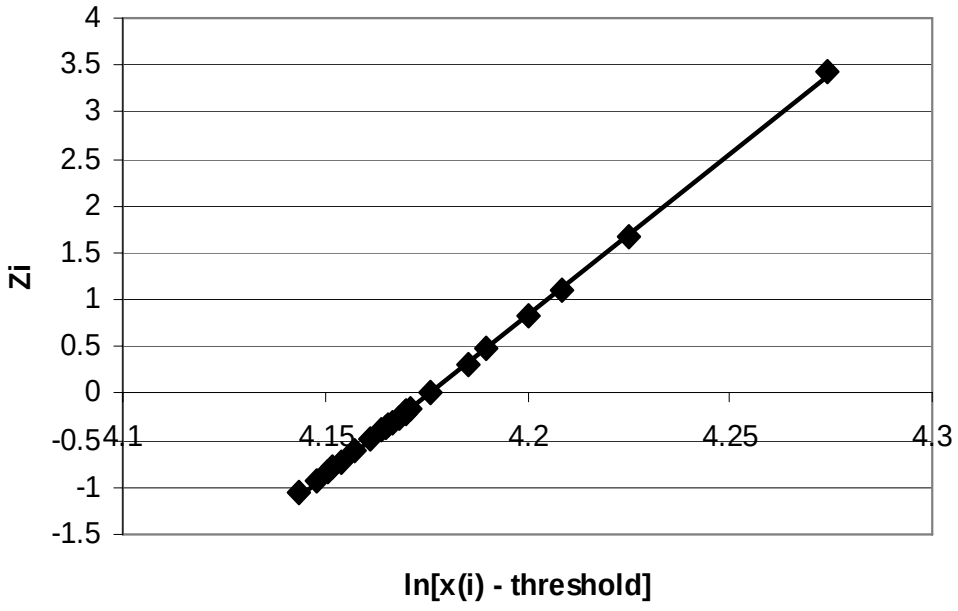

Figure A5.19. Three—parameter lognormal probability plot for the radial shrinkage (considering the threshold).

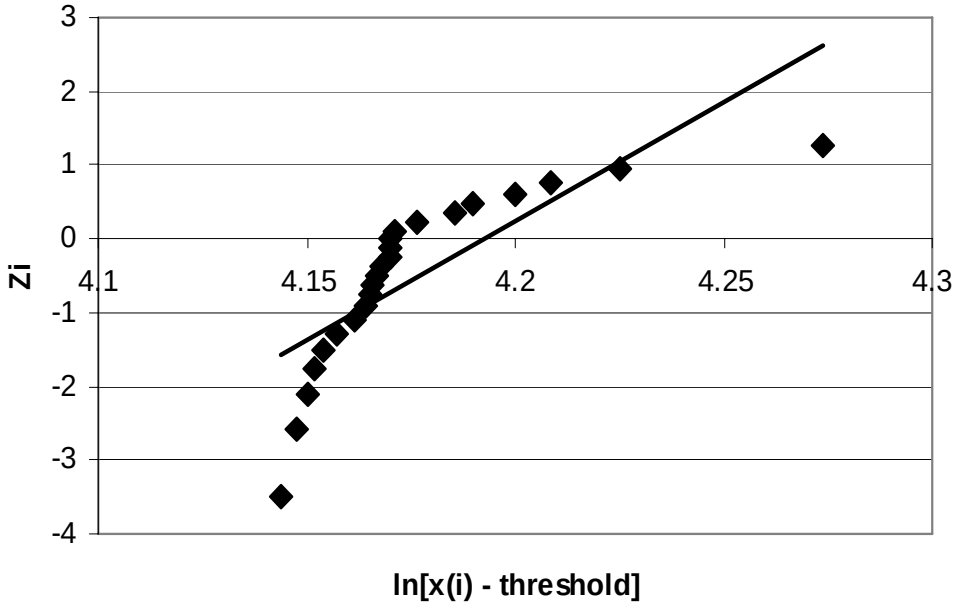

Figure A5.20. Weibull probability plot for the radial shrinkage.

b) Between—Trees Variability

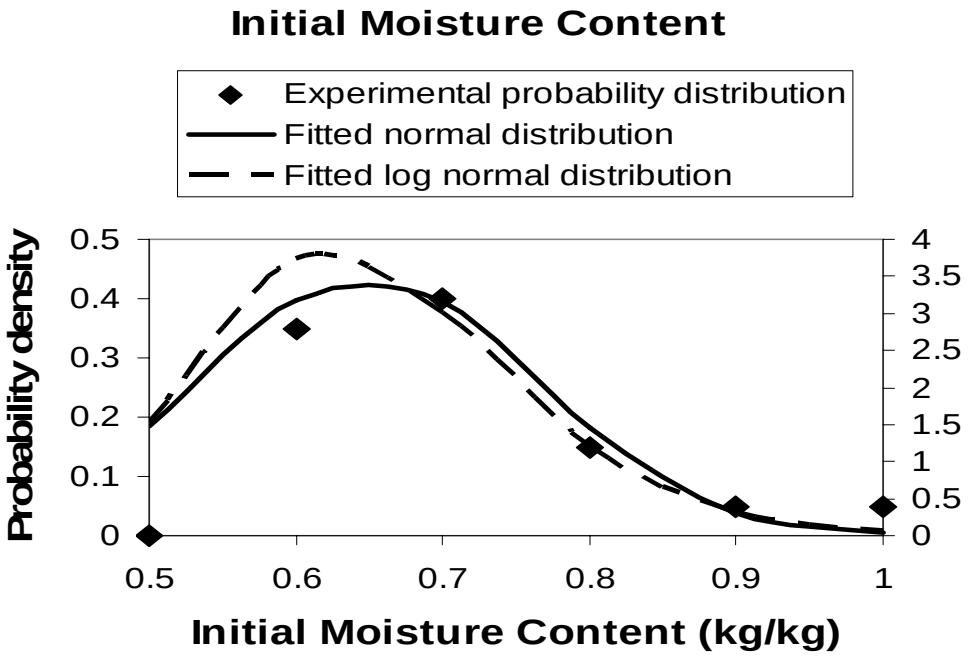

Figure A5.21. Probability density functions for the initial moisture content.

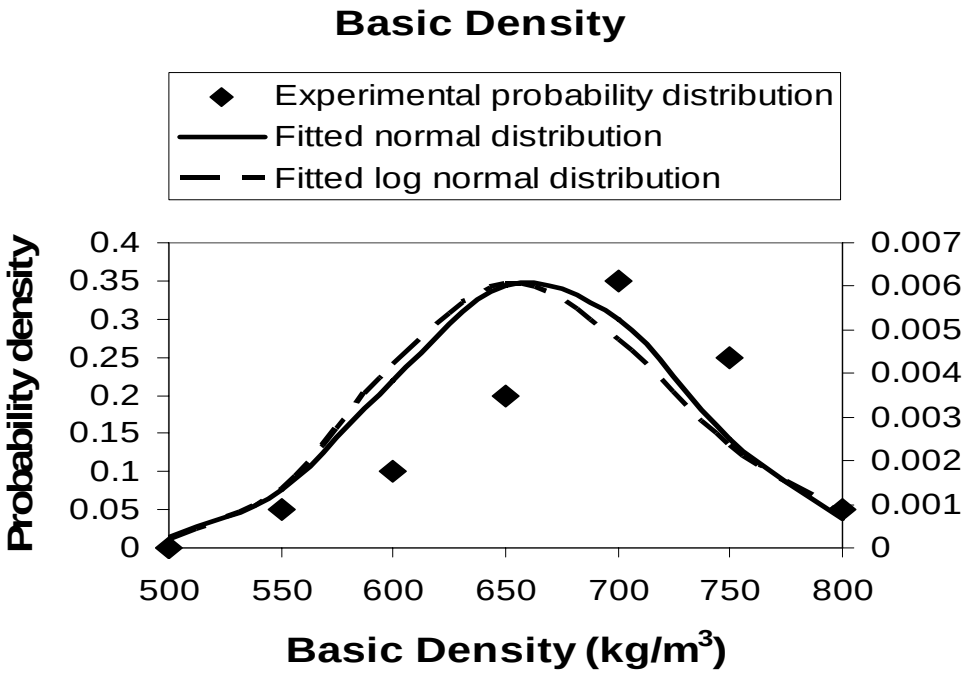

Figure A5.22. Probability density functions for the basic density.

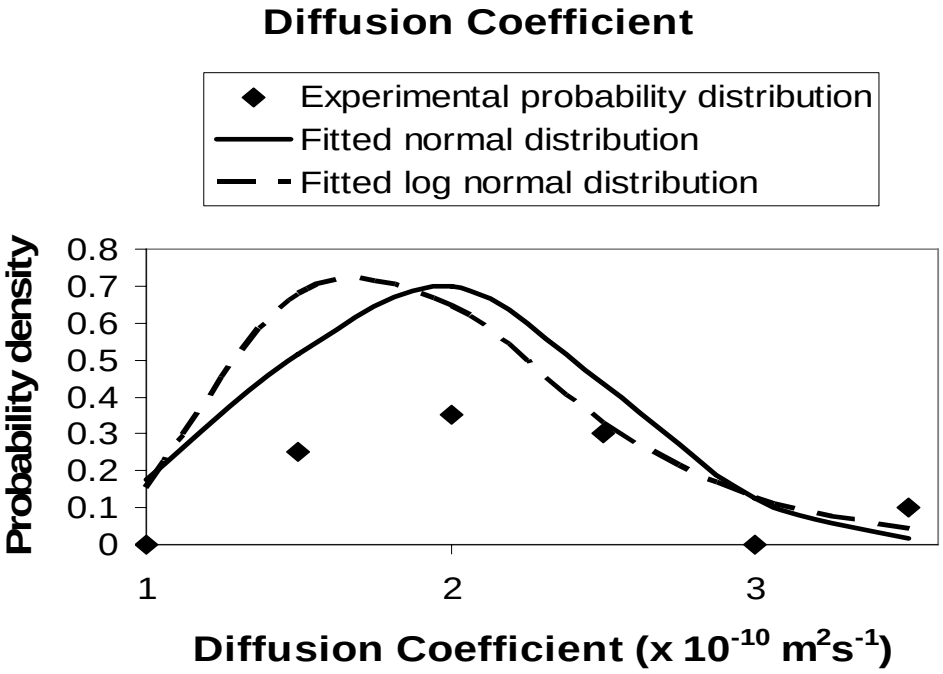

Figure A5.23. Probability density functions for the diffusion coefficient.

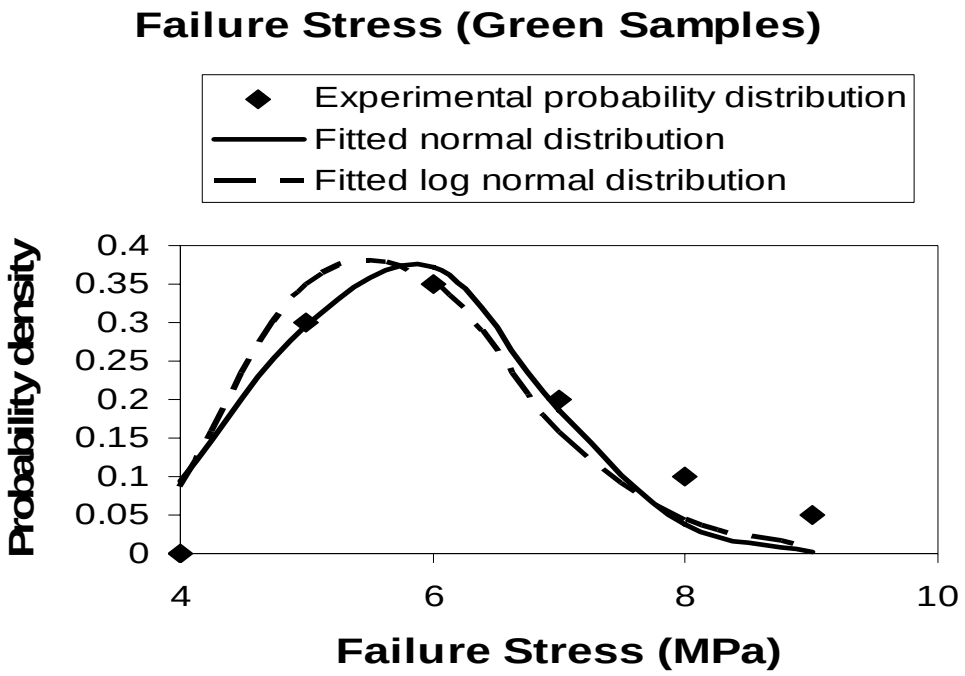

Figure A5.24. Probability density functions for the failure stress of the green samples.

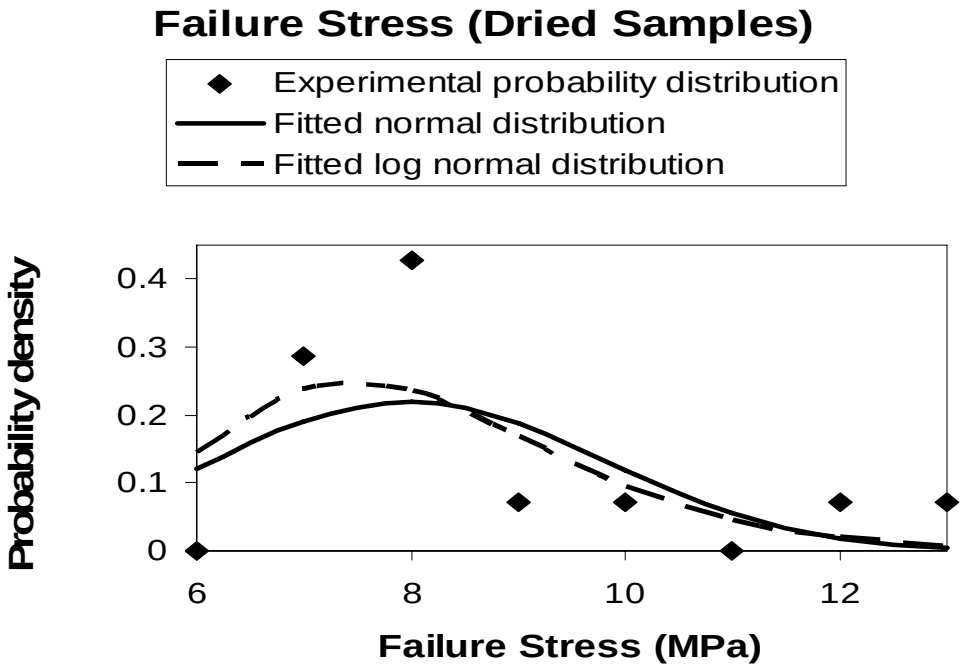

Figure A5.25. Probability density functions for the failure stress of the dried samples.

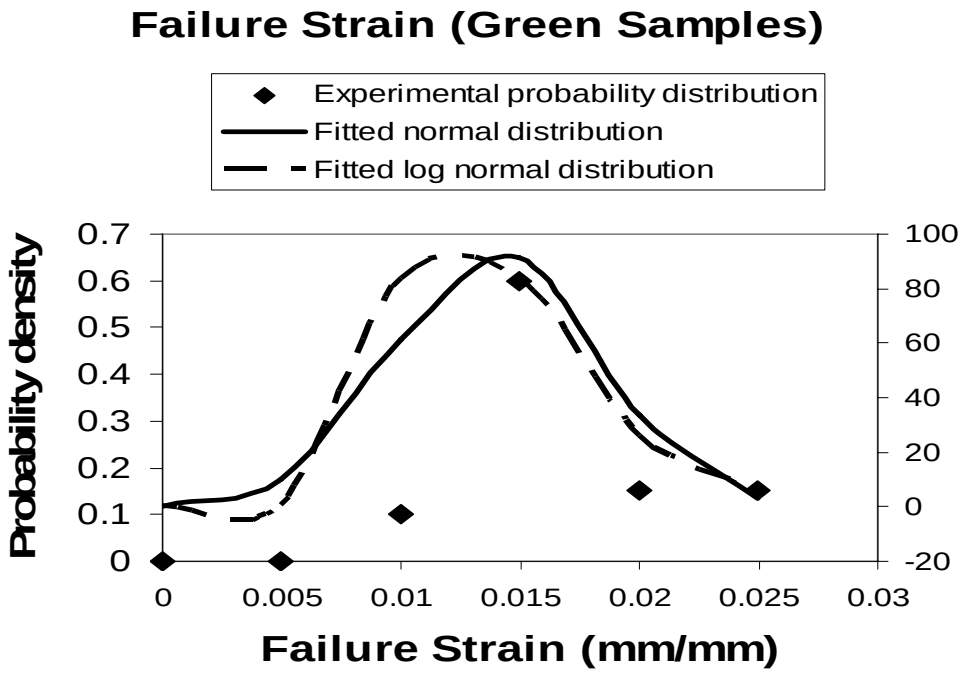

Figure A5.26. Probability density functions for the failure strain of the green samples.

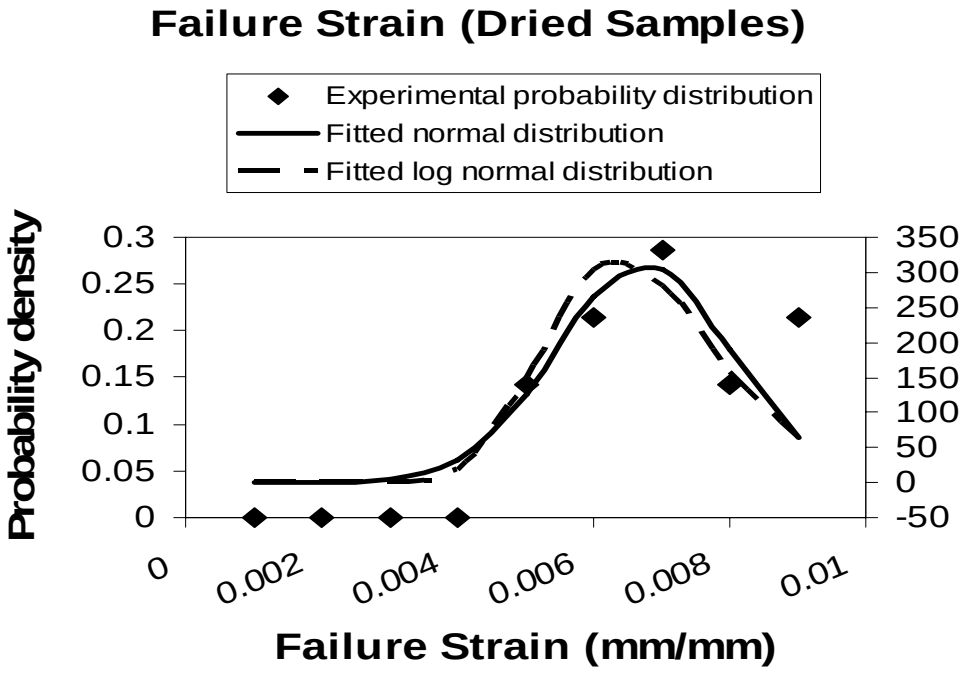

Figure A5.27. Probability density functions for the failure strain of the dried samples.

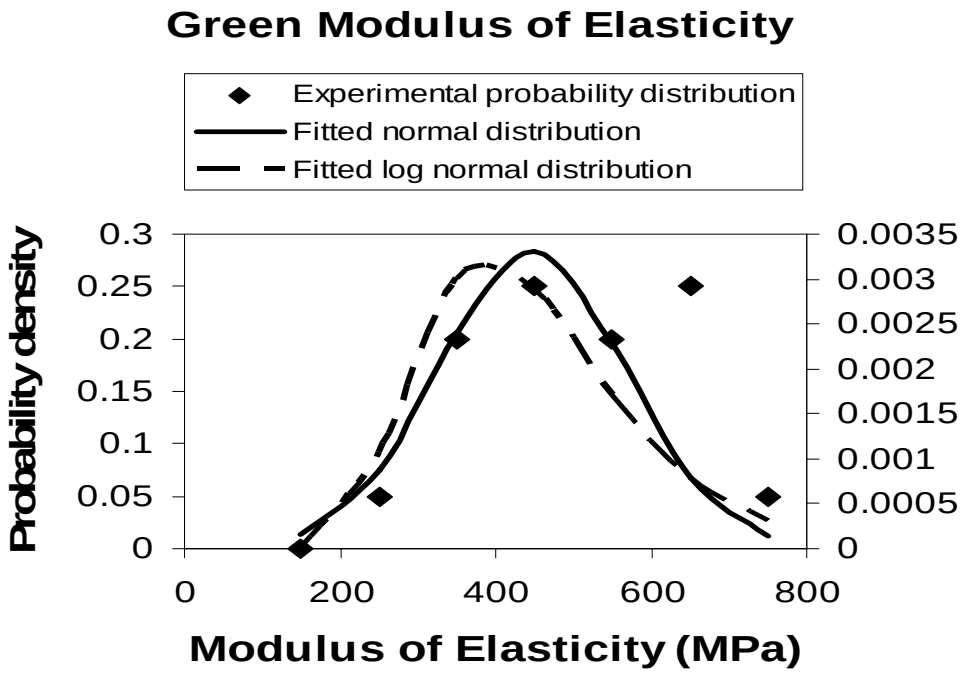

Figure A5.28. Probability density functions for the modulus of elasticity of the green samples.

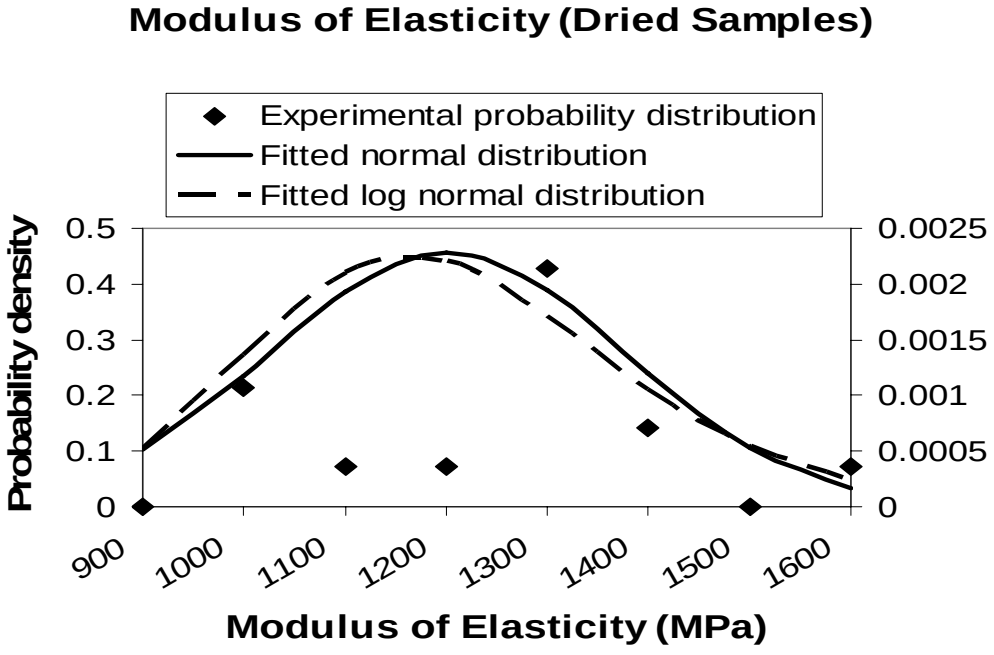

Figure A5.29. Probability density functions for the modulus of elasticity of the dried samples.

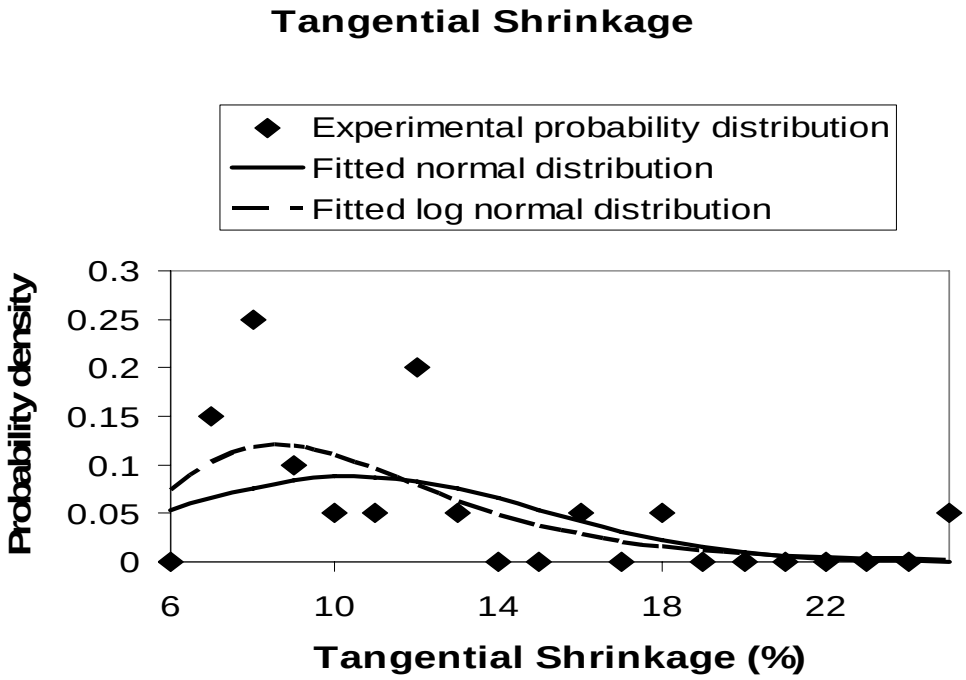

Figure A5.30. Probability density functions for the tangential shrinkage.

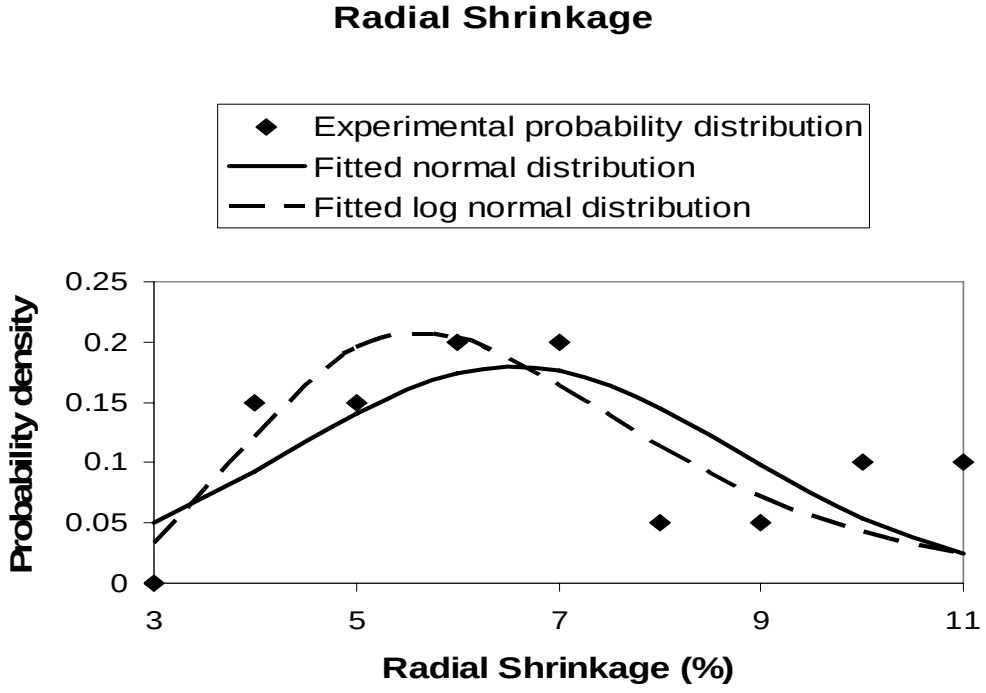

Figure A5.31. Probability density functions for the radial shrinkage.

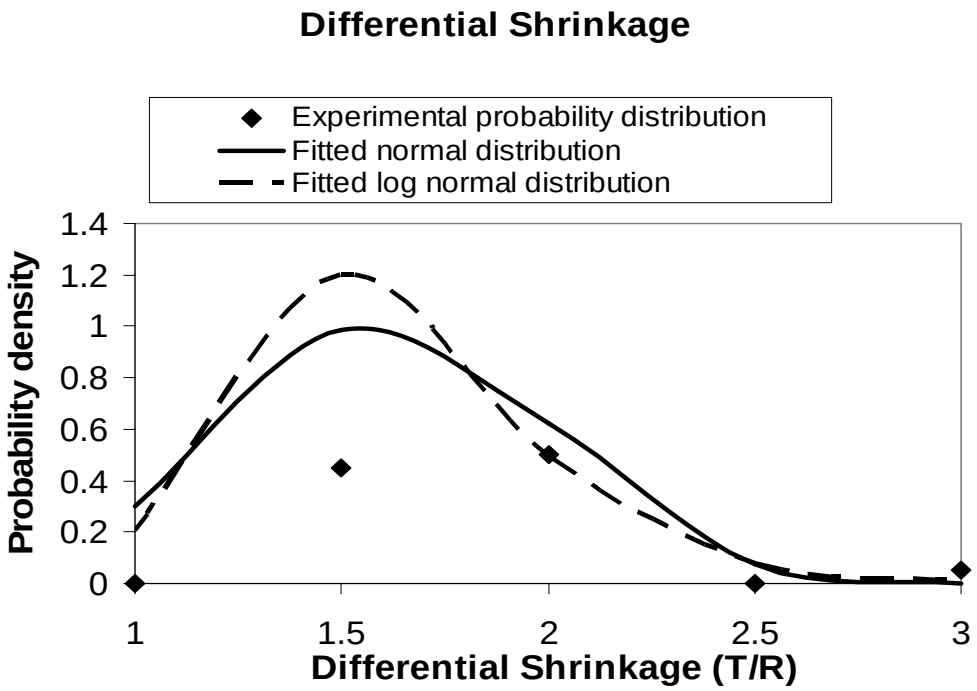

Figure A5.32. Probability density functions for the differential shrinkage.

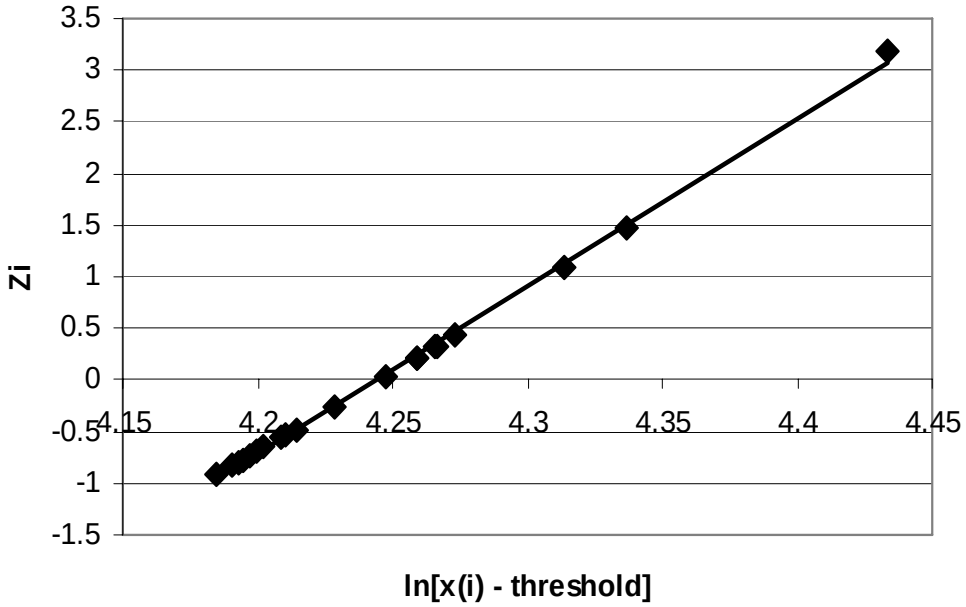

Figure A5.33. Three—parameter lognormal probability plot for the tangential shrinkage (considering the threshold).

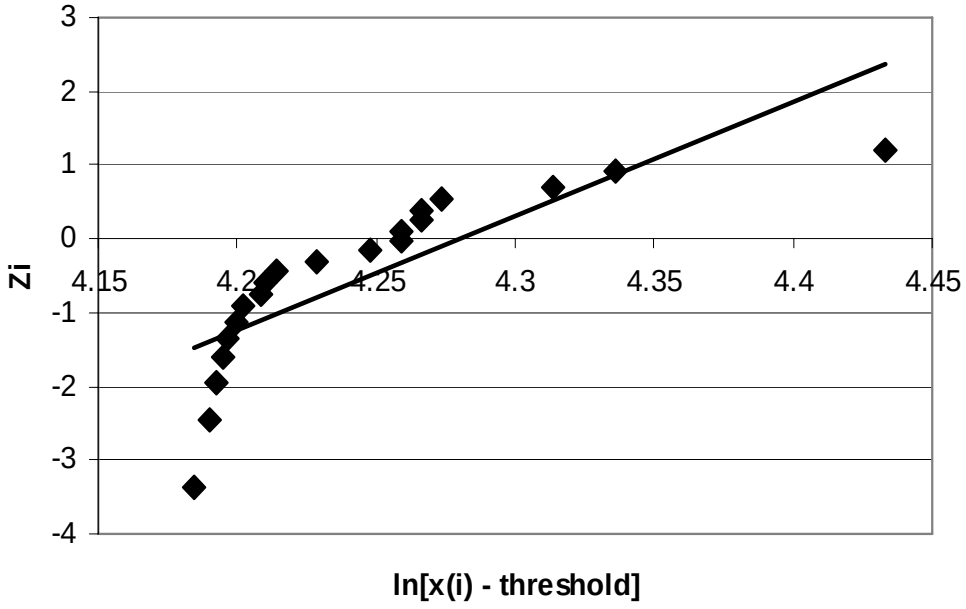

Figure A5.34. Weibull probability plot for the tangential shrinkage.

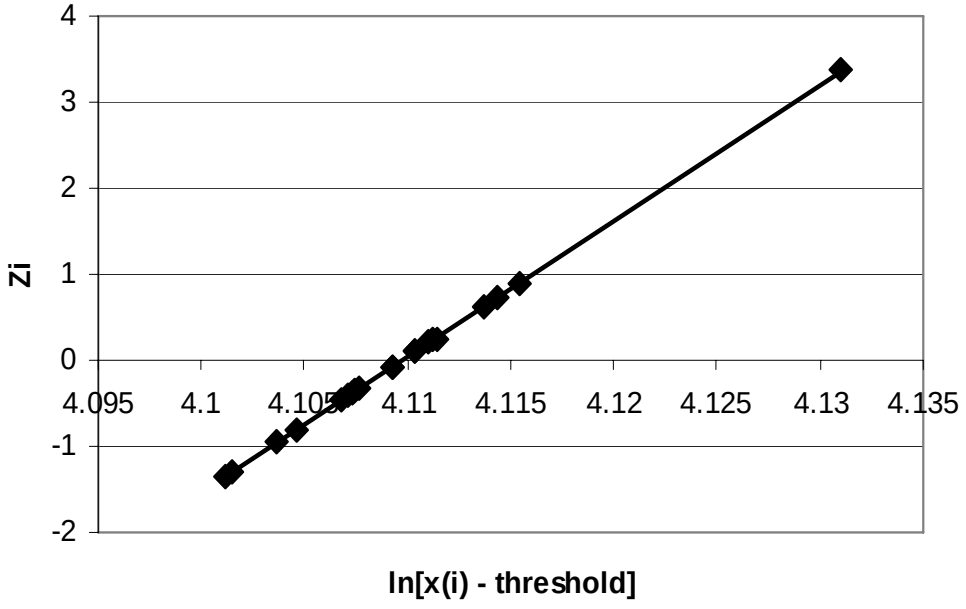

Figure A5.35. Three—parameter lognormal probability plot for the differential shrinkage (considering the threshold).

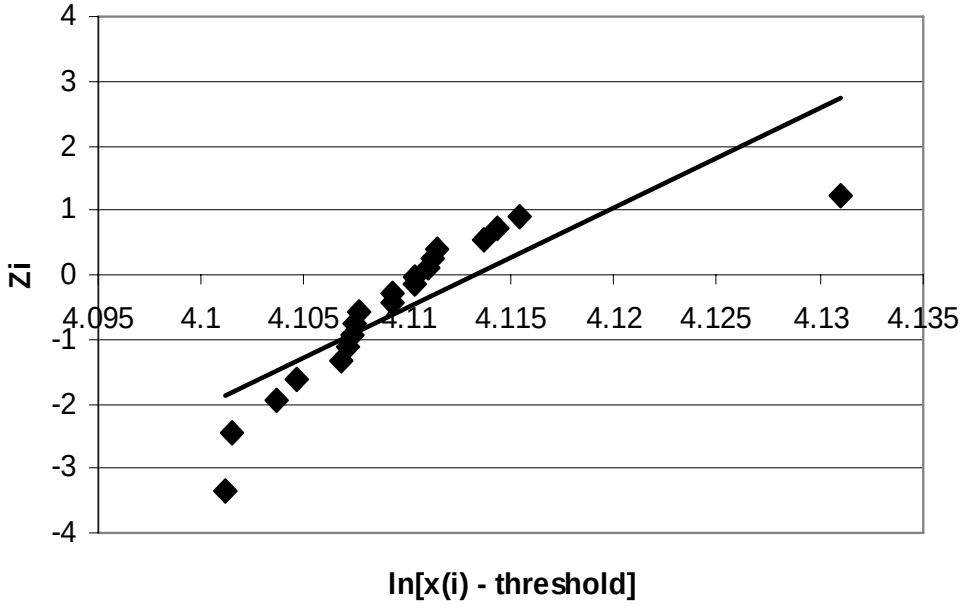

Figure A5.36. Weibull probability plot for the differential shrinkage.