

Appendix A: Natural Rubber

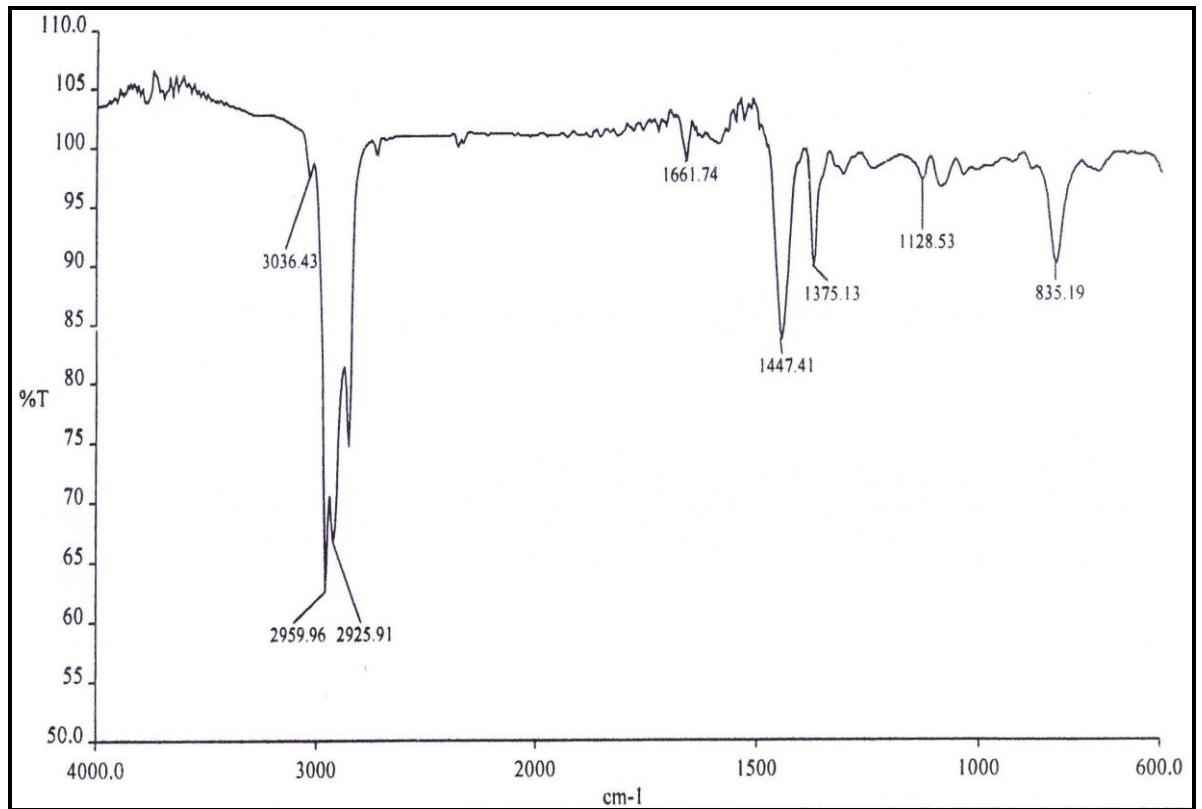


Figure 1: FTIR spectrum of Natural rubber

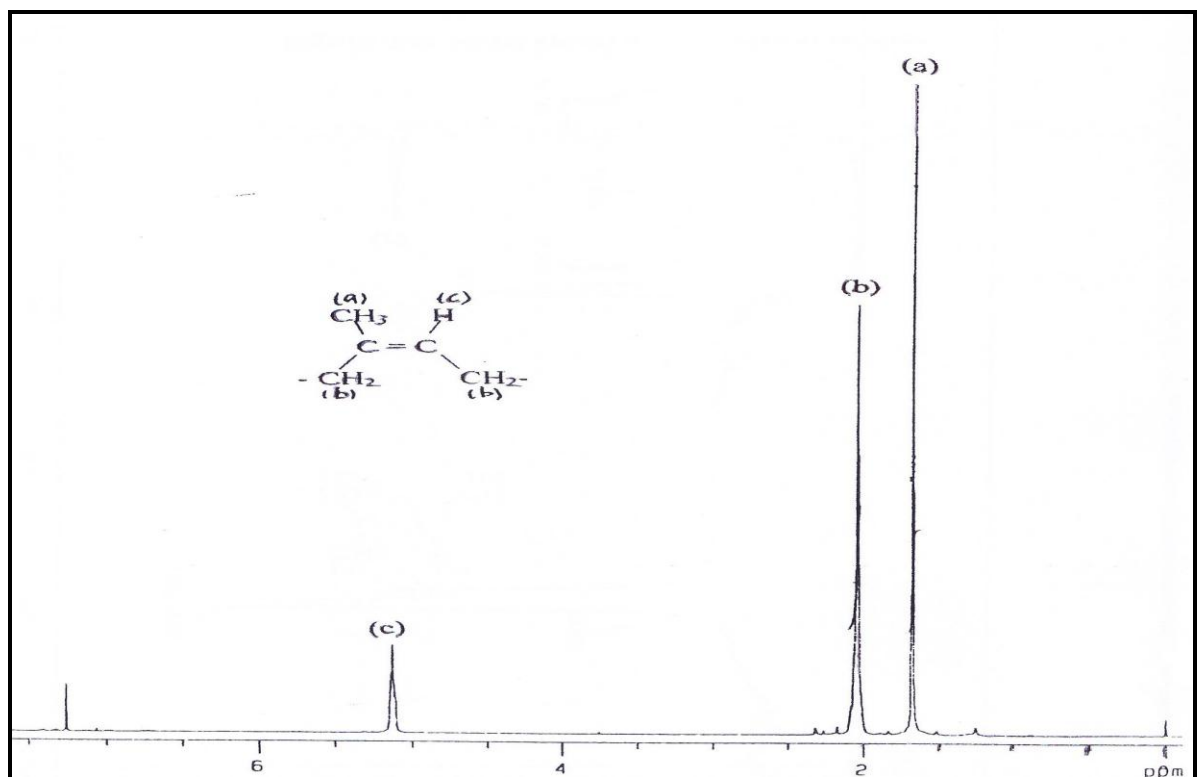


Figure 2: NMR spectrum of natural rubber

Appendix B: FTIR spectra of fusion cook alkyds

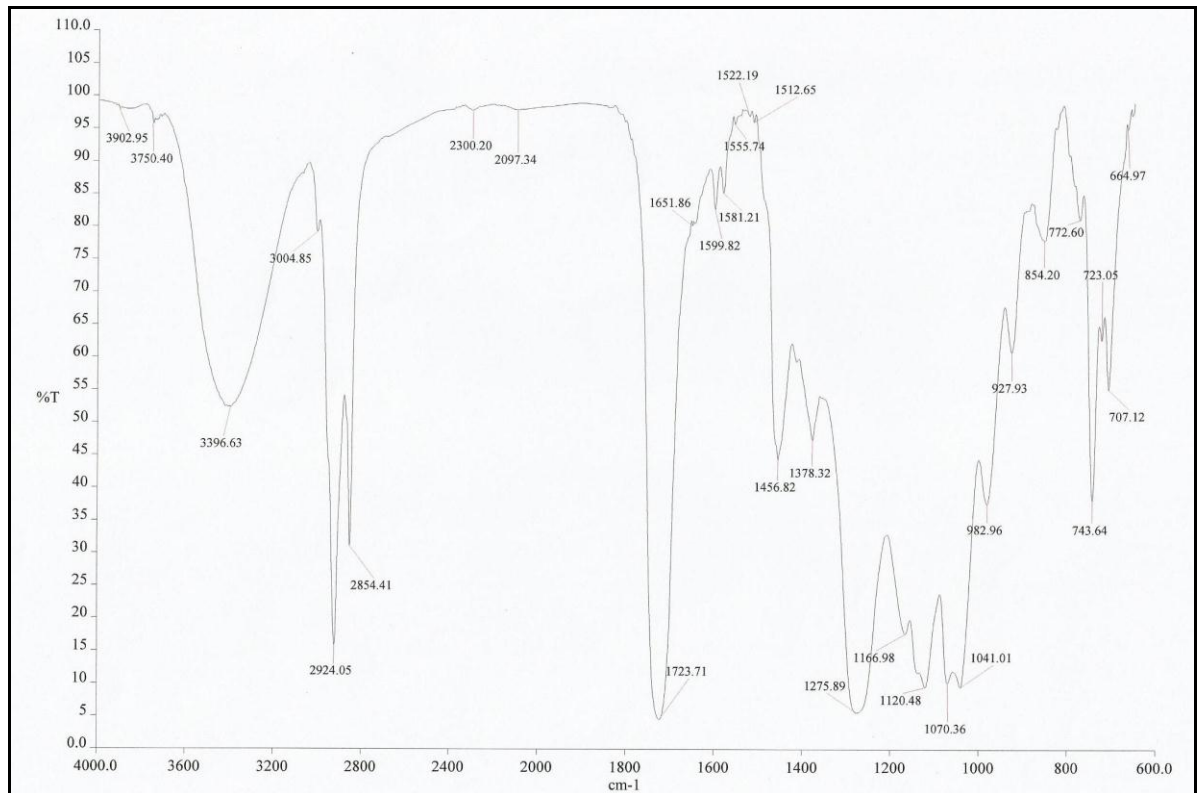


Figure 1: FTIR spectra of Alk-45

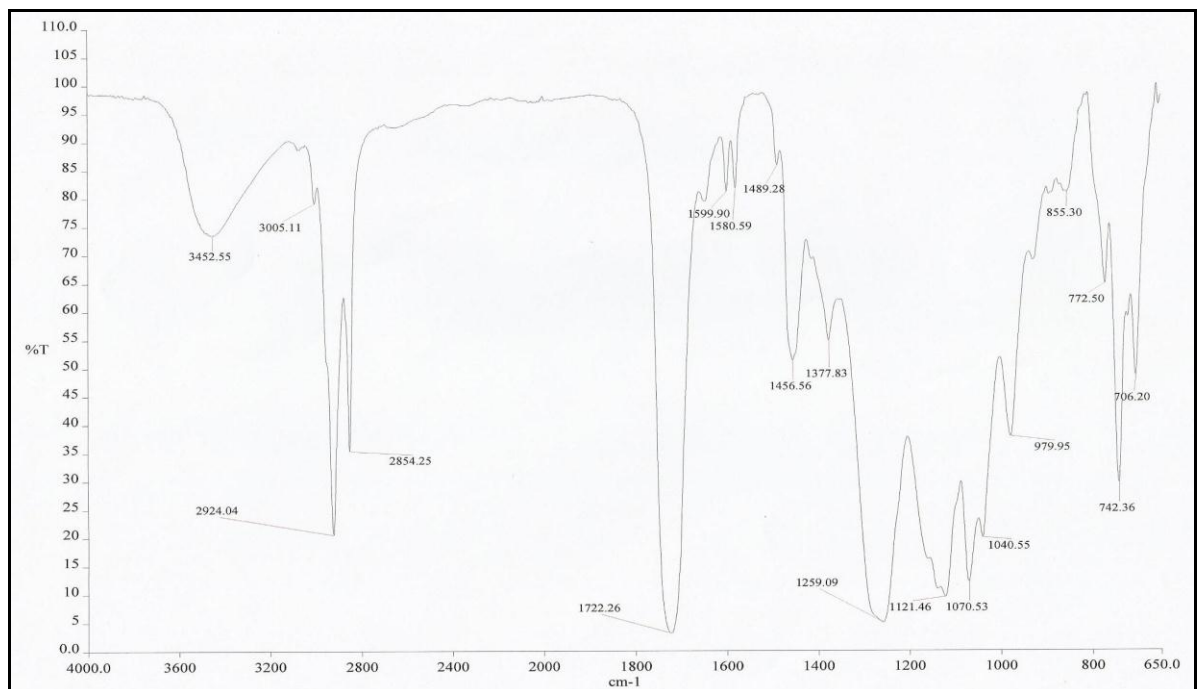


Figure 2: FTIR spectra of Alk-47

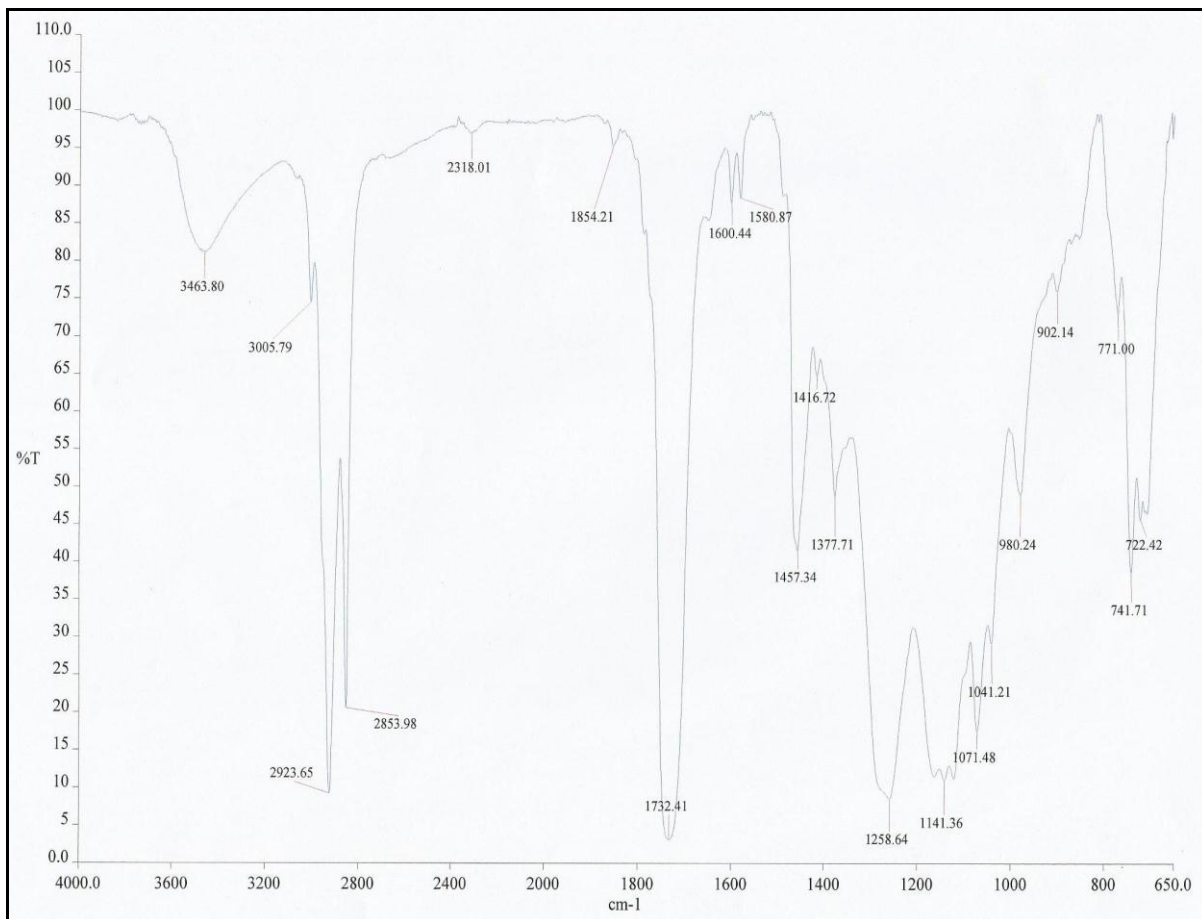


Figure 3: FTIR spectra of Alk-65

Appendix C: NMR spectra of fusion cook alkyd

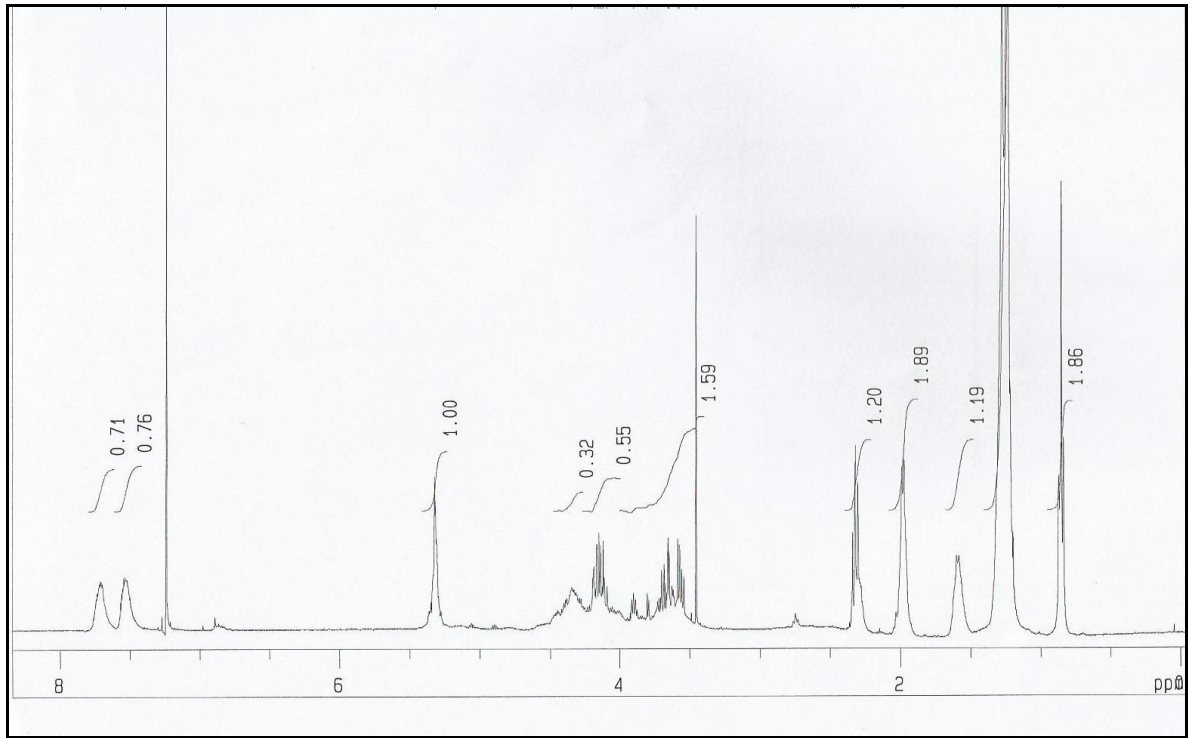


Figure 1: NMR spectra of Alk-45

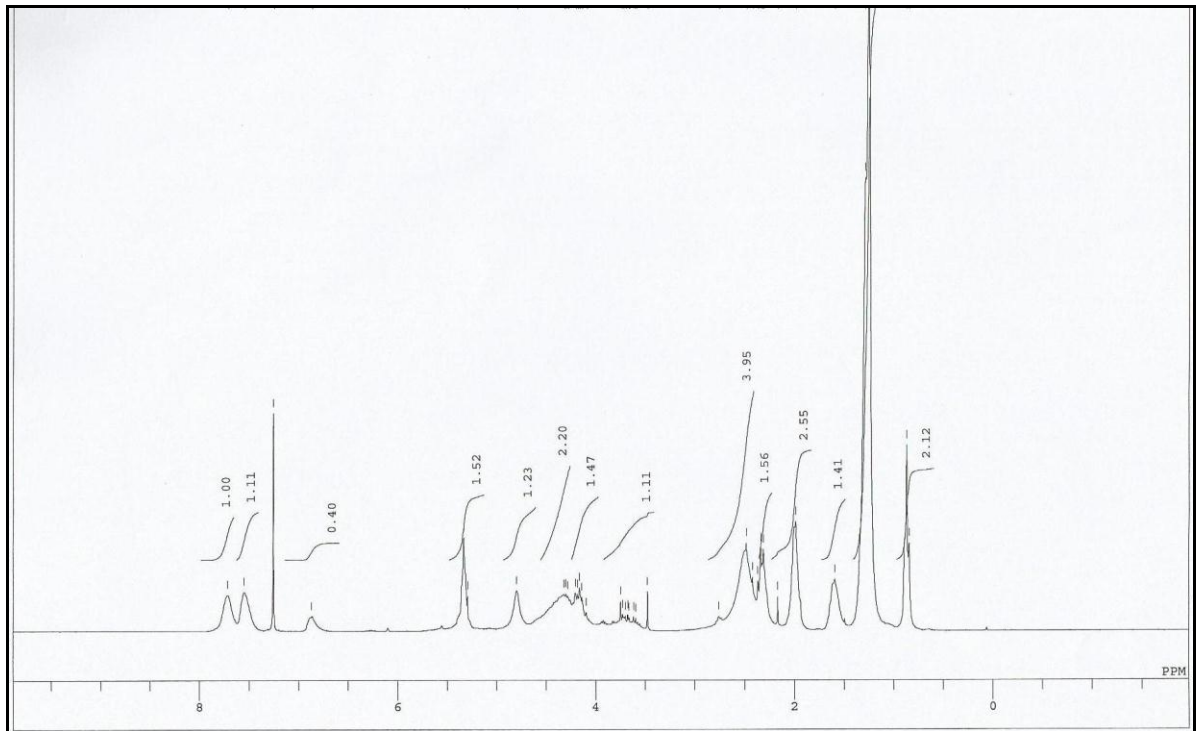


Figure 2: NMR spectra of Alk-47

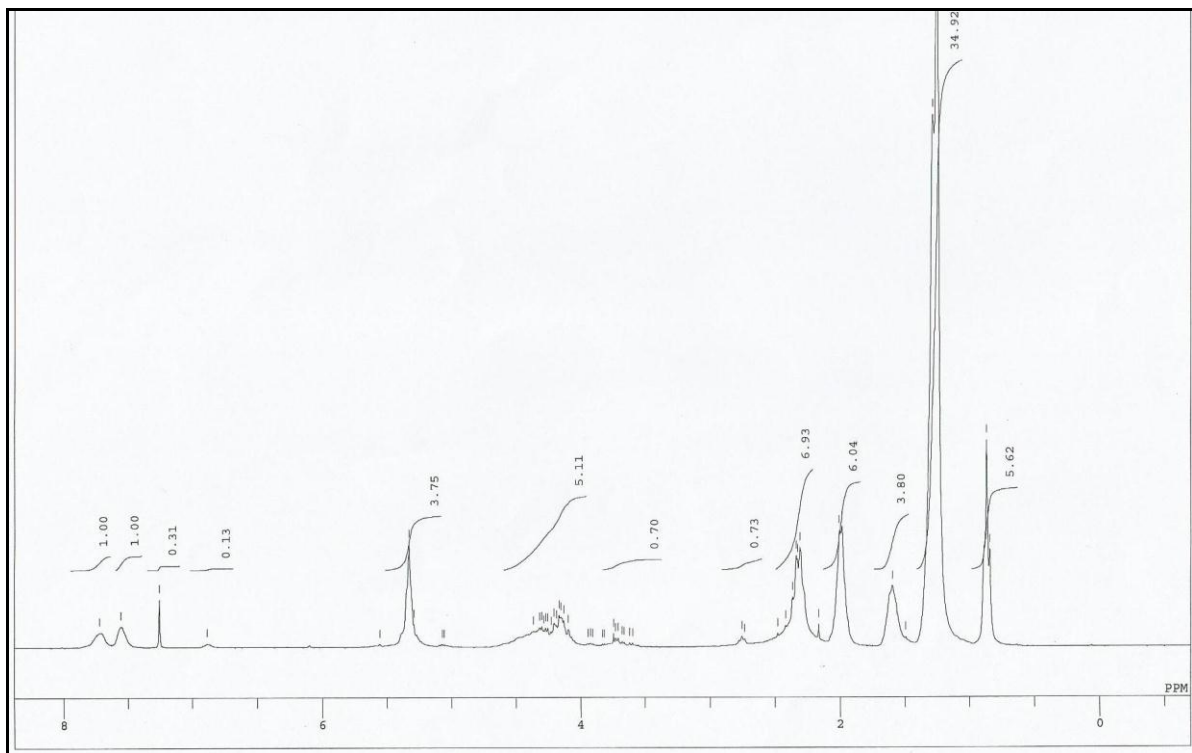


Figure 3: NMR spectra of Alk-65

Appendix D: DSC thermograms of fusion cook alkyd

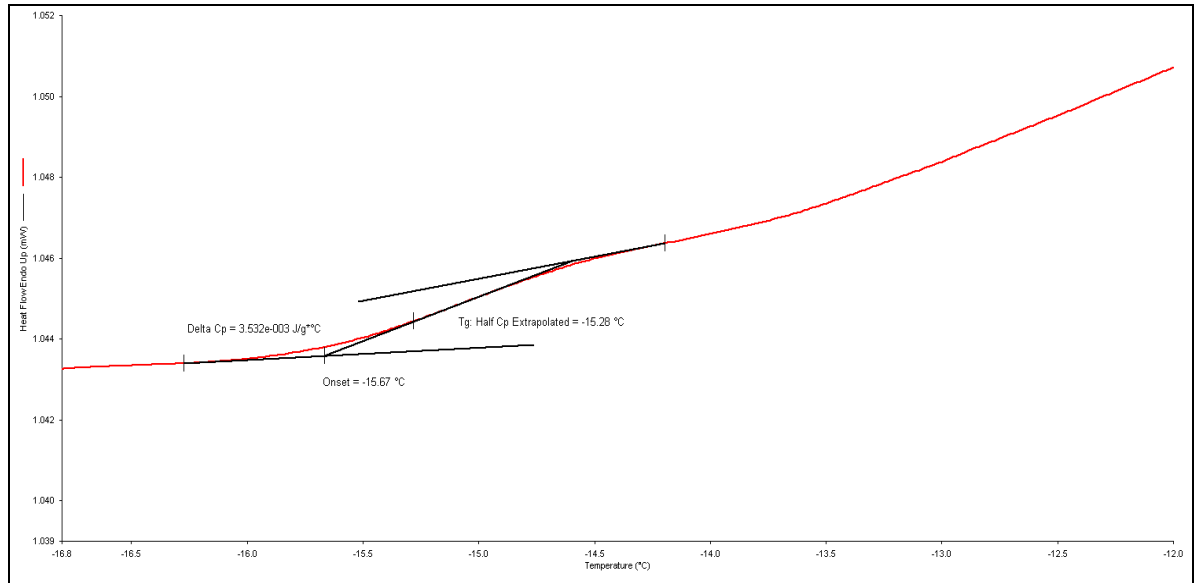


Figure 1: DSC trace of Alk-45

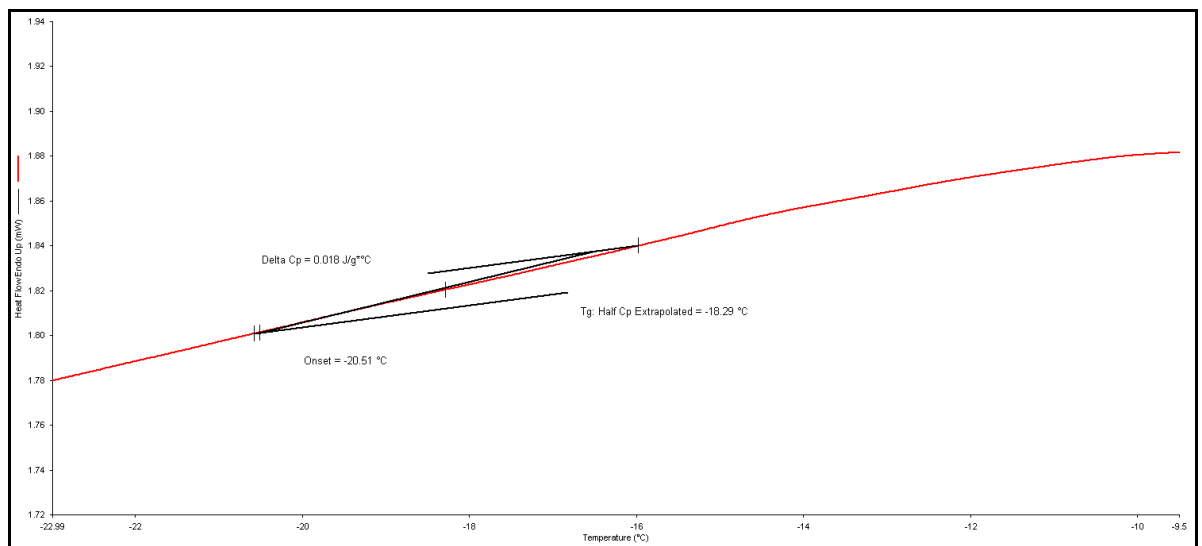


Figure 2: DSC trace of Alk-47

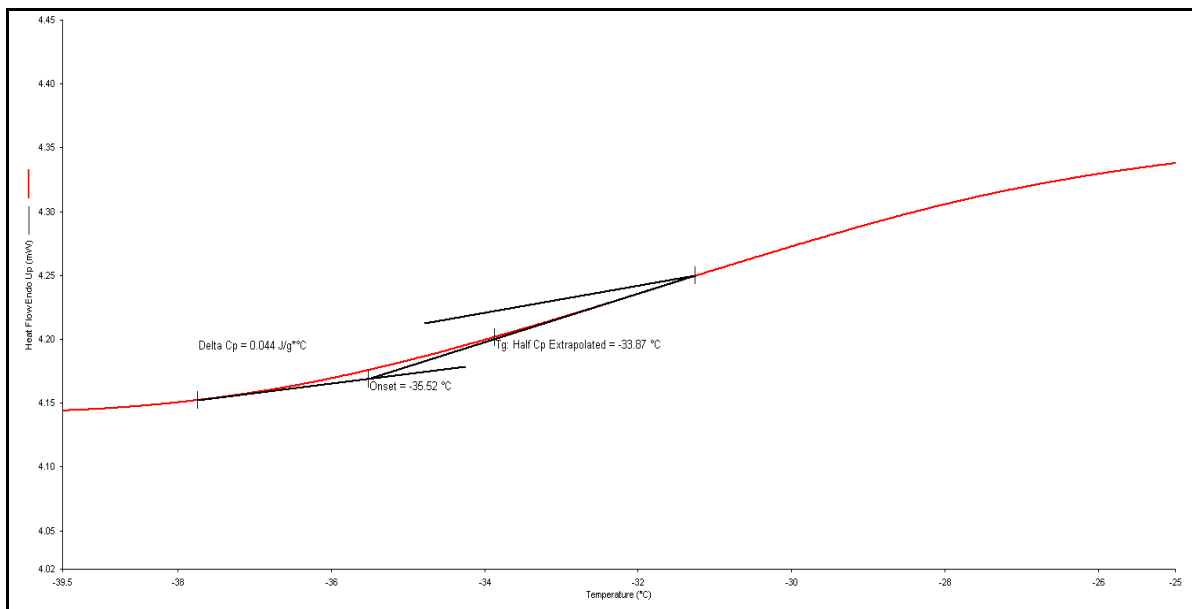


Figure 3: DSC trace of Alk-65

Appendix E: TGA thermograms of fusion cook alkyd

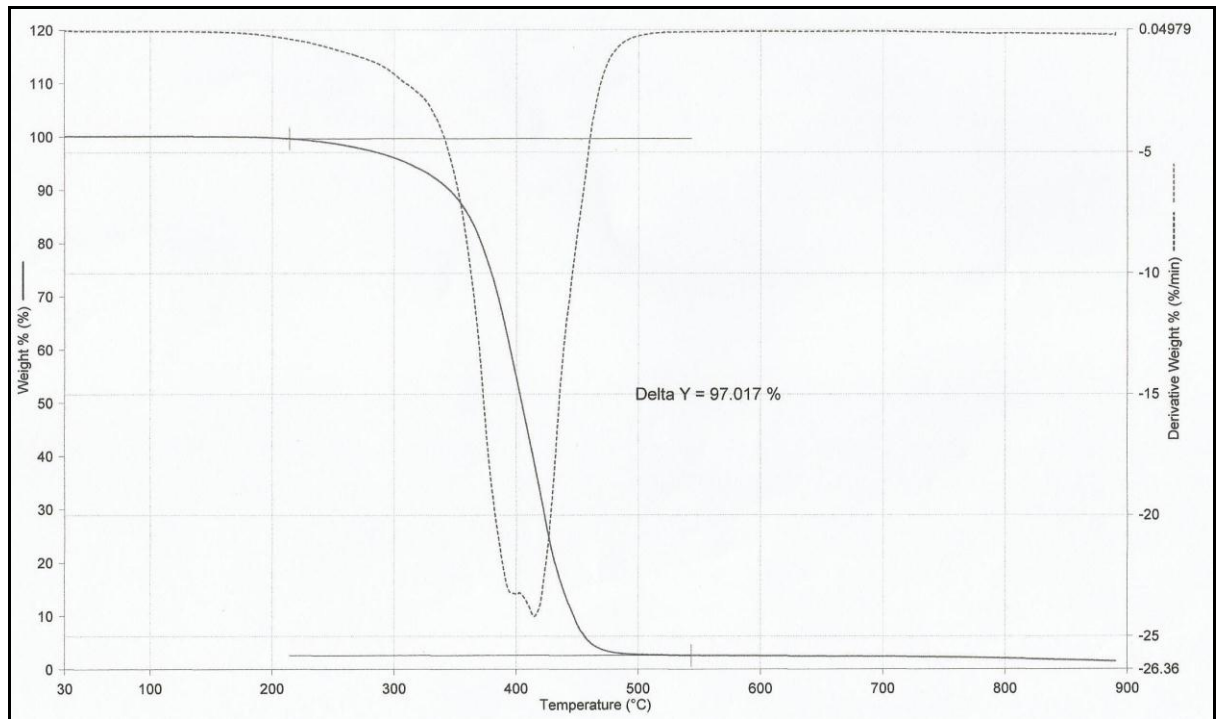


Figure 1: TGA thermogram of Alk-45

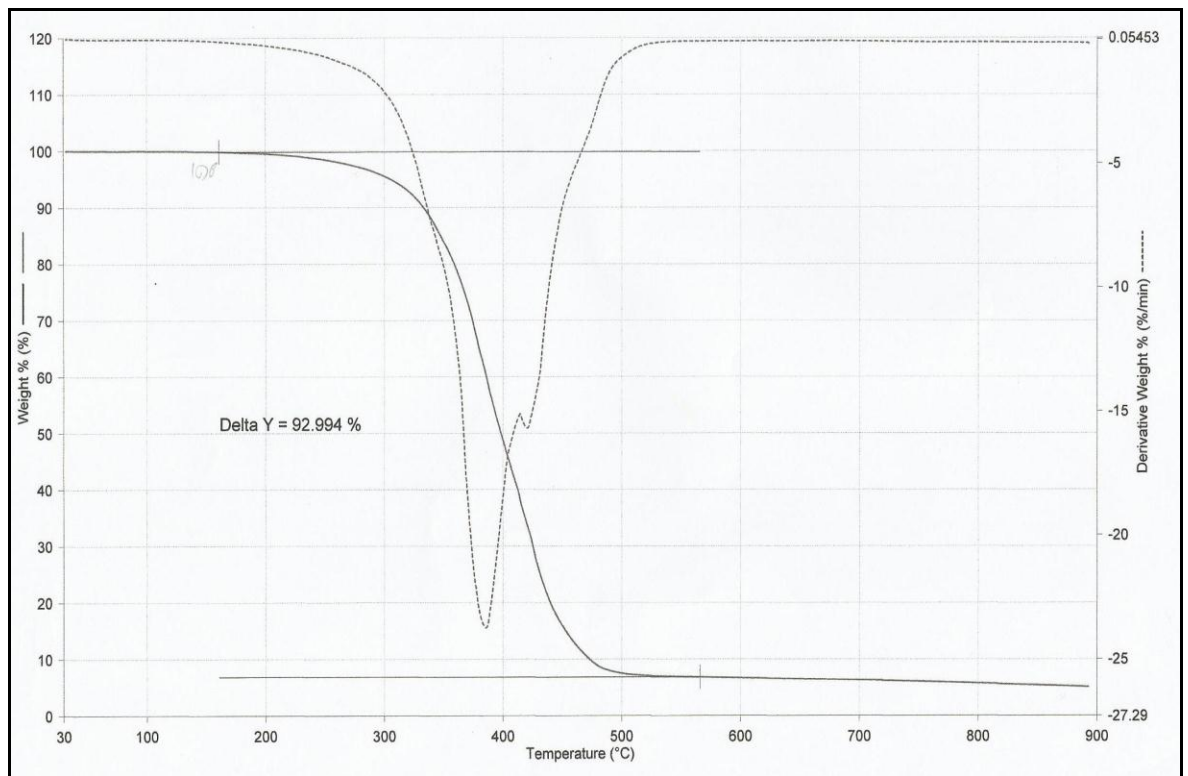


Figure 2: TGA thermogram of Alk-47

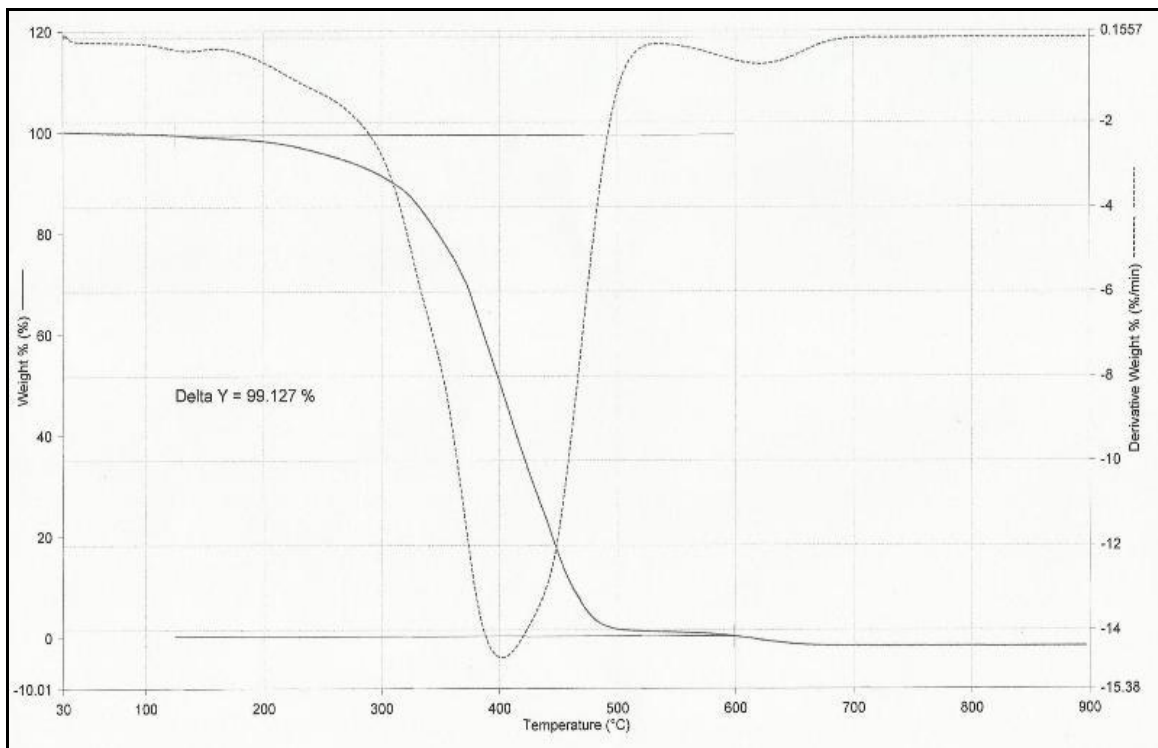


Figure 3: TGA thermogram of Alk-65

Appendix F: GPC chromatograms of fusion cook alkyd

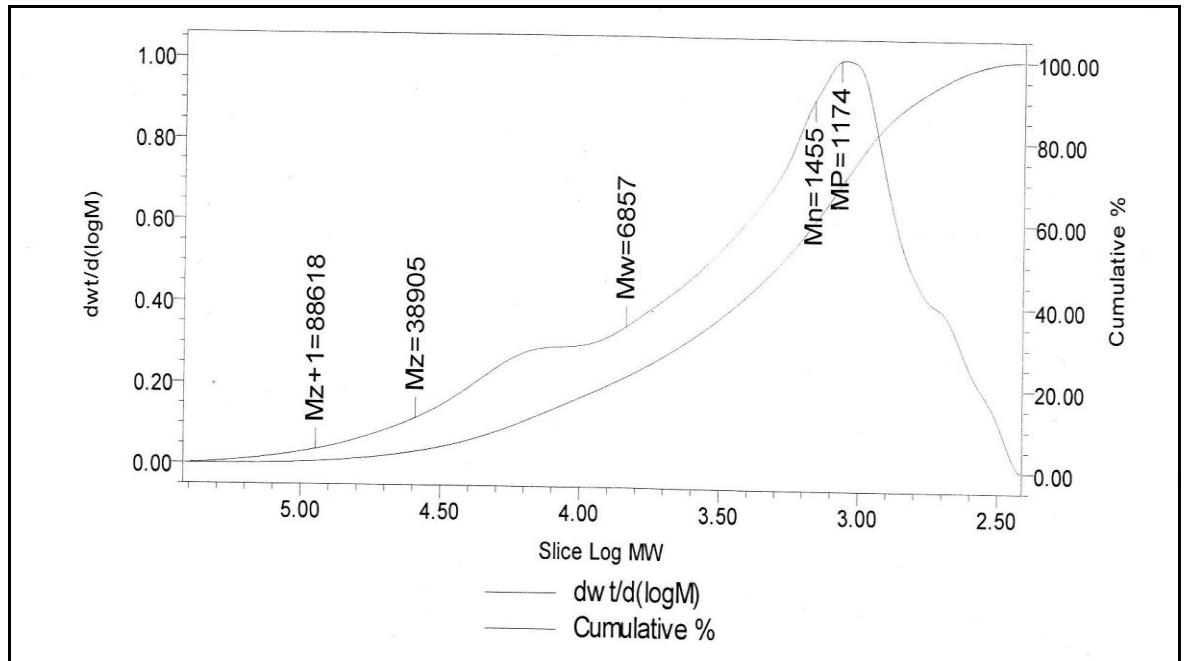


Figure 1: GPC chromatogram of Alk-45

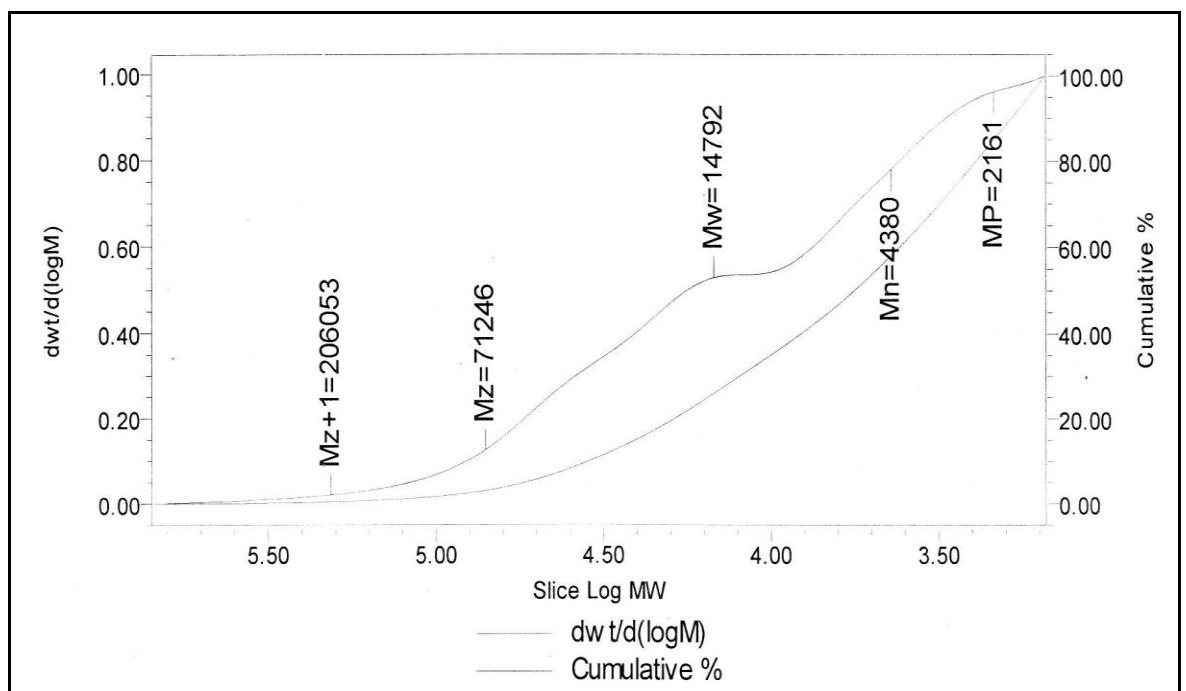


Figure 2: GPC chromatogram of Alk-47

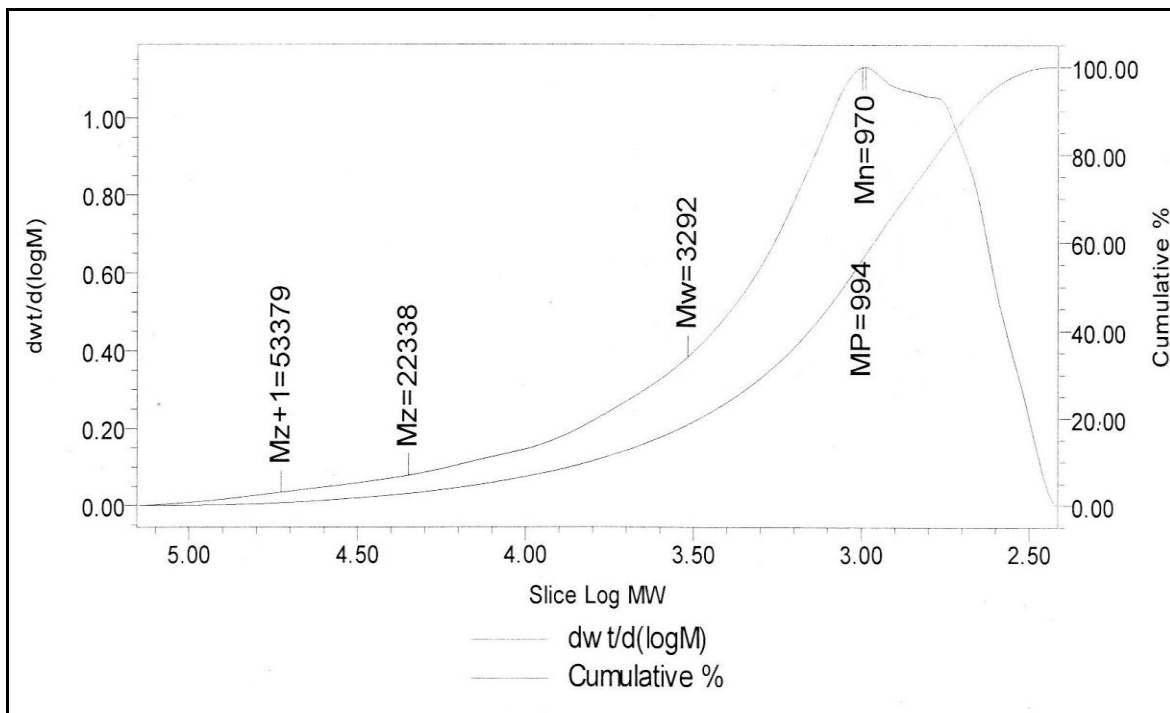


Figure 3: GPC chromatogram of Alk-65

Appendix G: Viscosity, shear rate and shear stress profile of alkyd emulsion

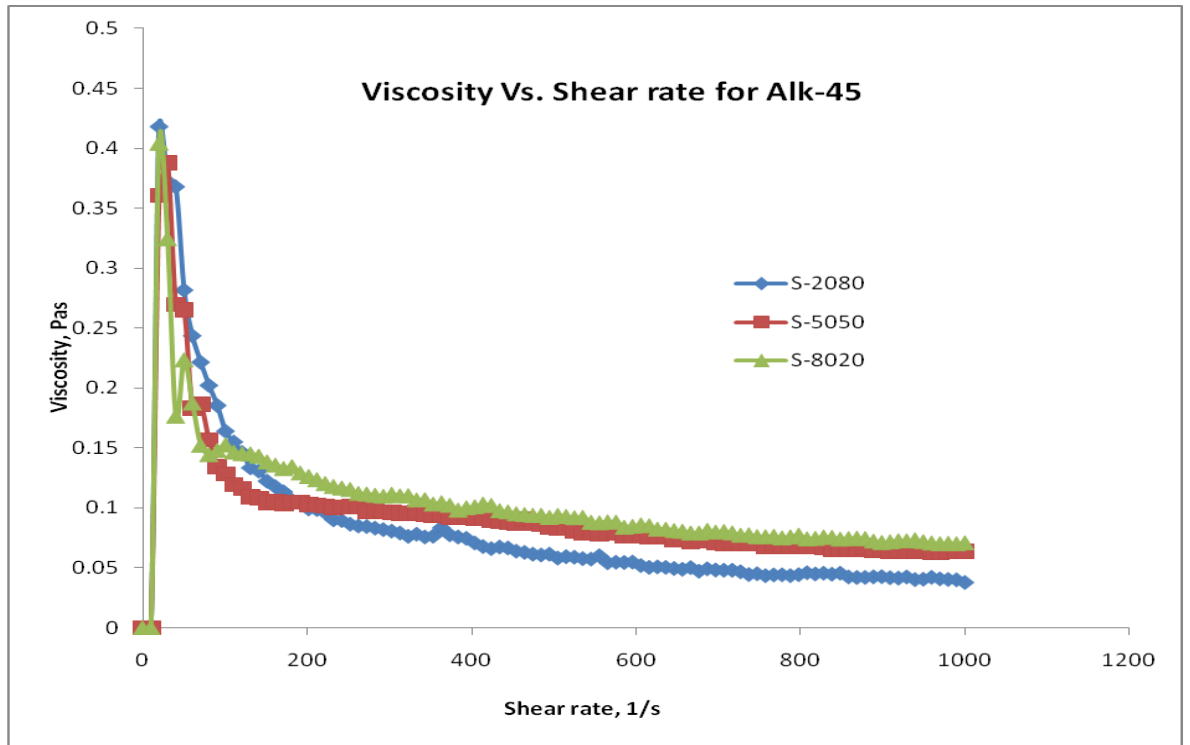


Figure 1: Viscosity Vs Shear rate for Alk-45 emulsion at different surfactant ratio

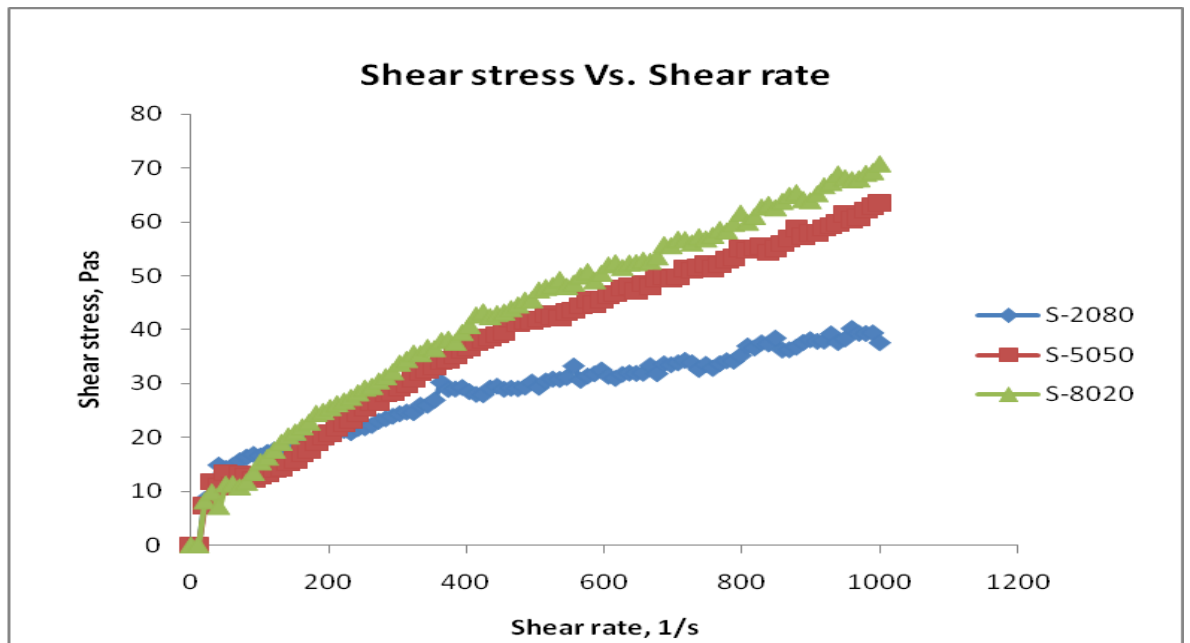


Figure 2: Shear stress Vs. Shear rate for Alk-45 emulsion at different surfactant ratio

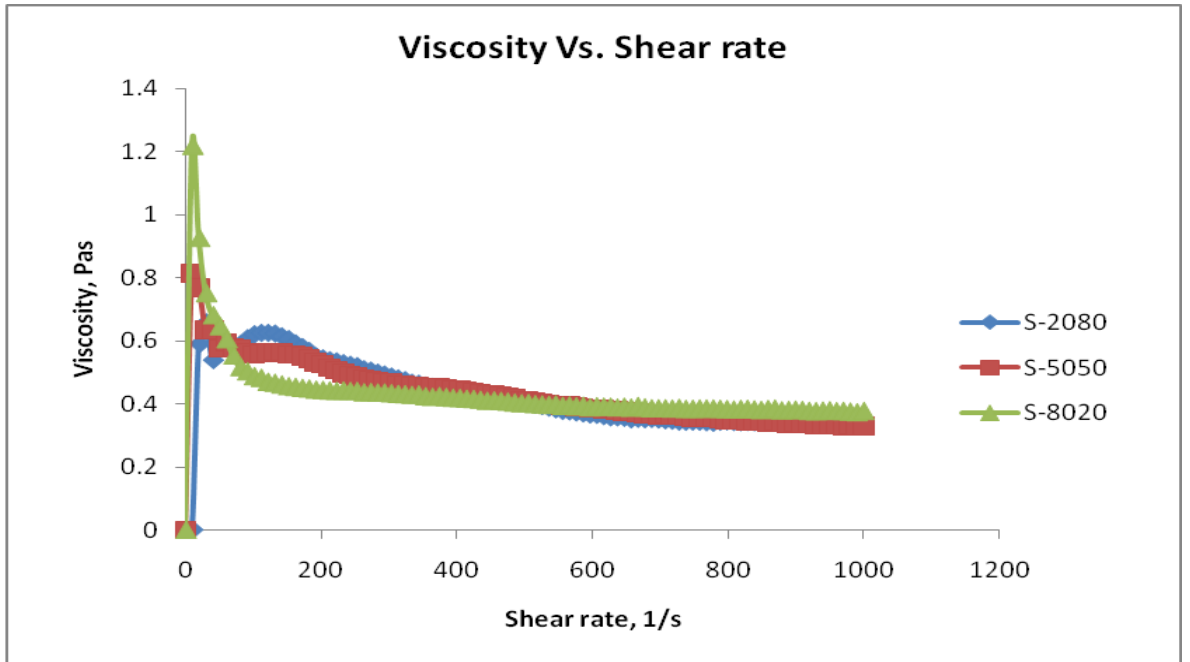


Figure 3: Viscosity Vs. Shear rate for Alk-47 emulsion at different surfactant ratio

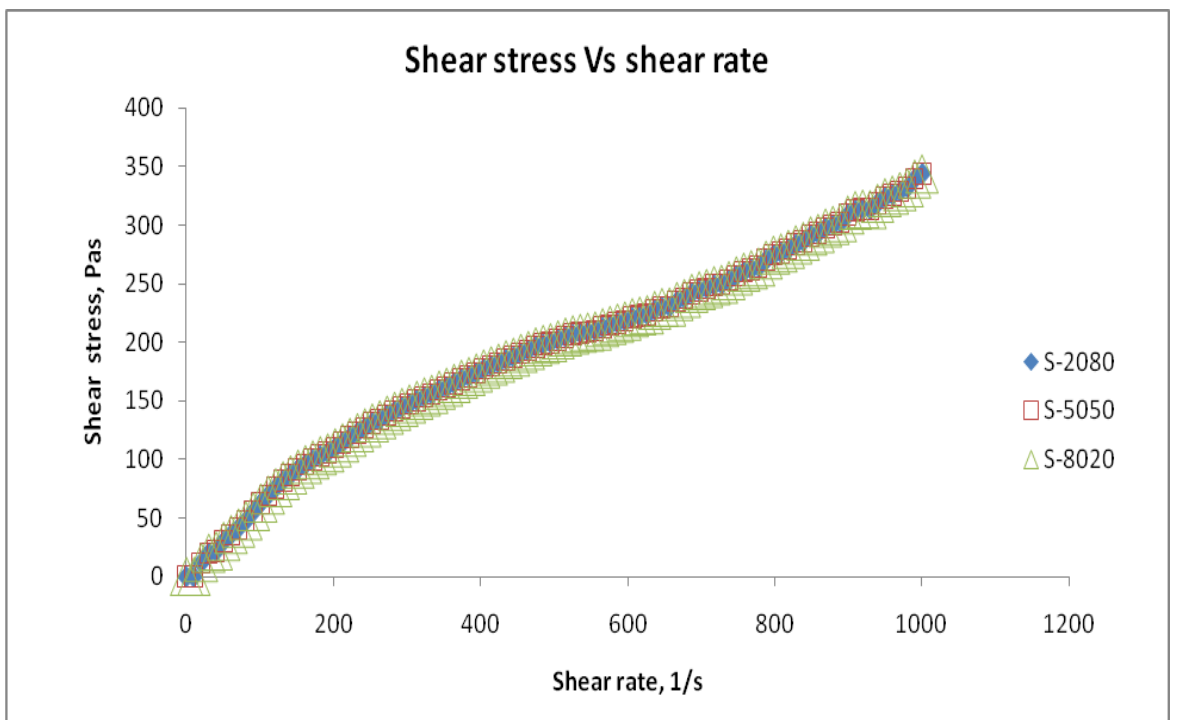


Figure 4: Shear stress Vs. Shear rate for alk-47 emulsion at different surfactant ratio

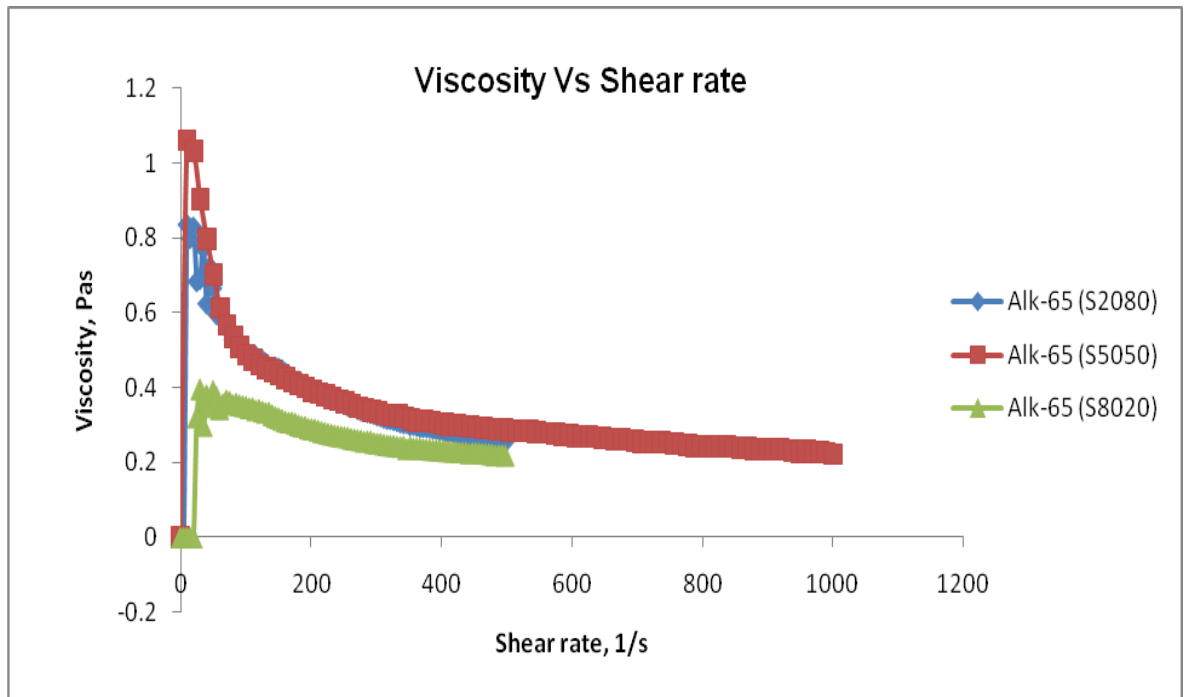


Figure 5: Viscosity Vs Shear rate of Alk-65 emulsion at different surfactant ratio

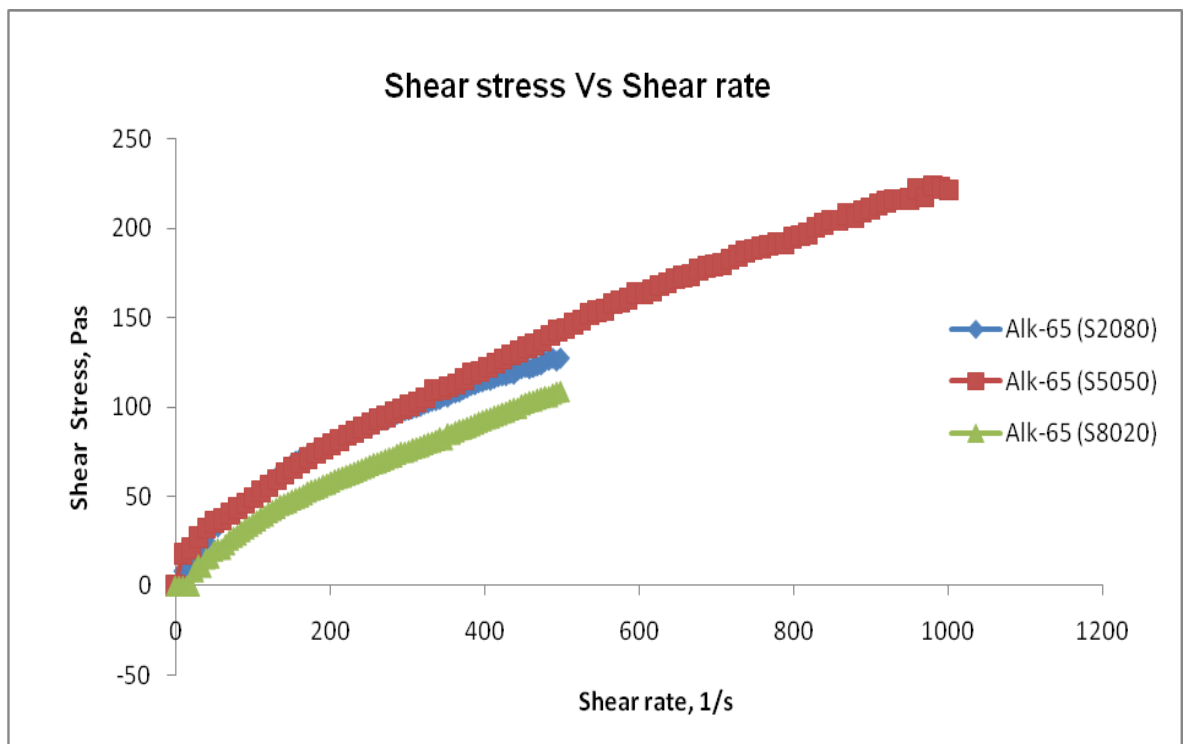


Figure 6: Shear stress Vs Shear rate of Alk-65 emulsion at different surfactant ratio

Appendix H: Peel test result of pure Alk- 47resin

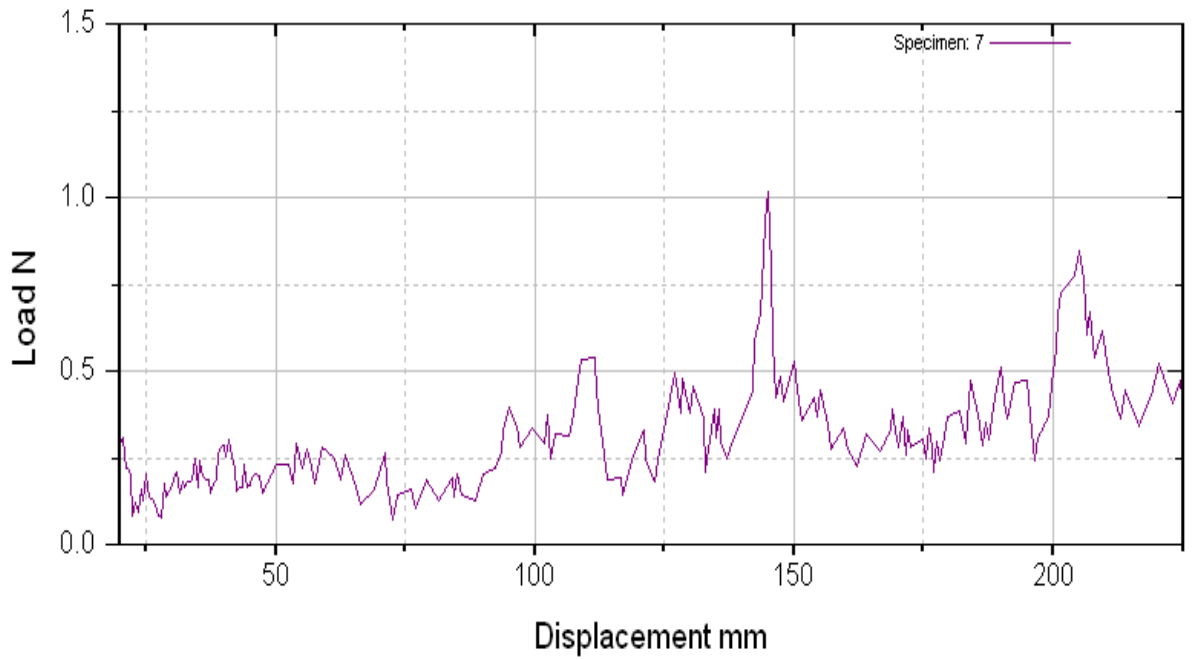


Figure 1(a):A Peel test curve for pure Alk-47

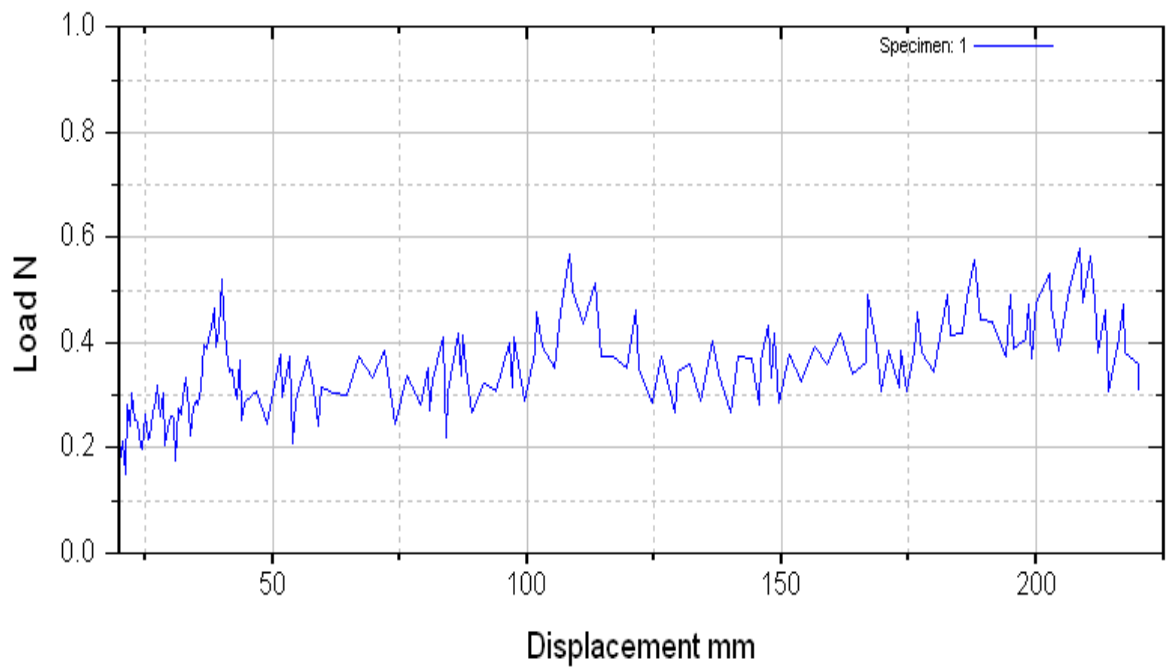


Figure 1(b): A Peel test curve for pure Alk-47

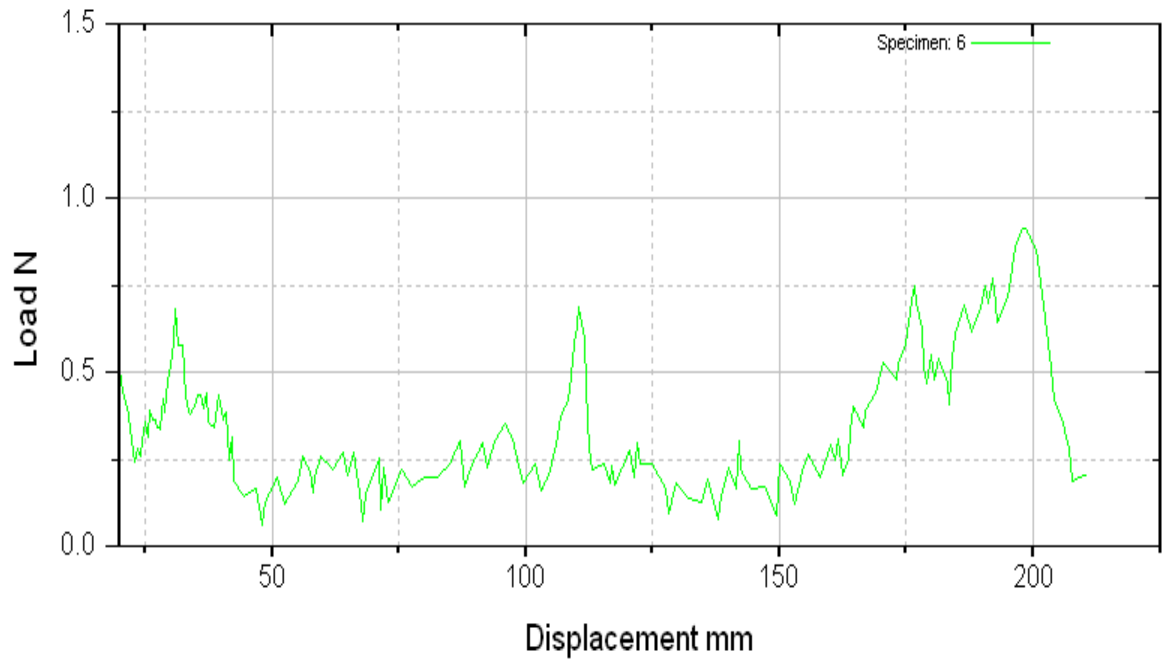


Figure 1(c): A Peel test curve for pure Alk-47

Appendix I: Peel test result of pure Alk-45resin

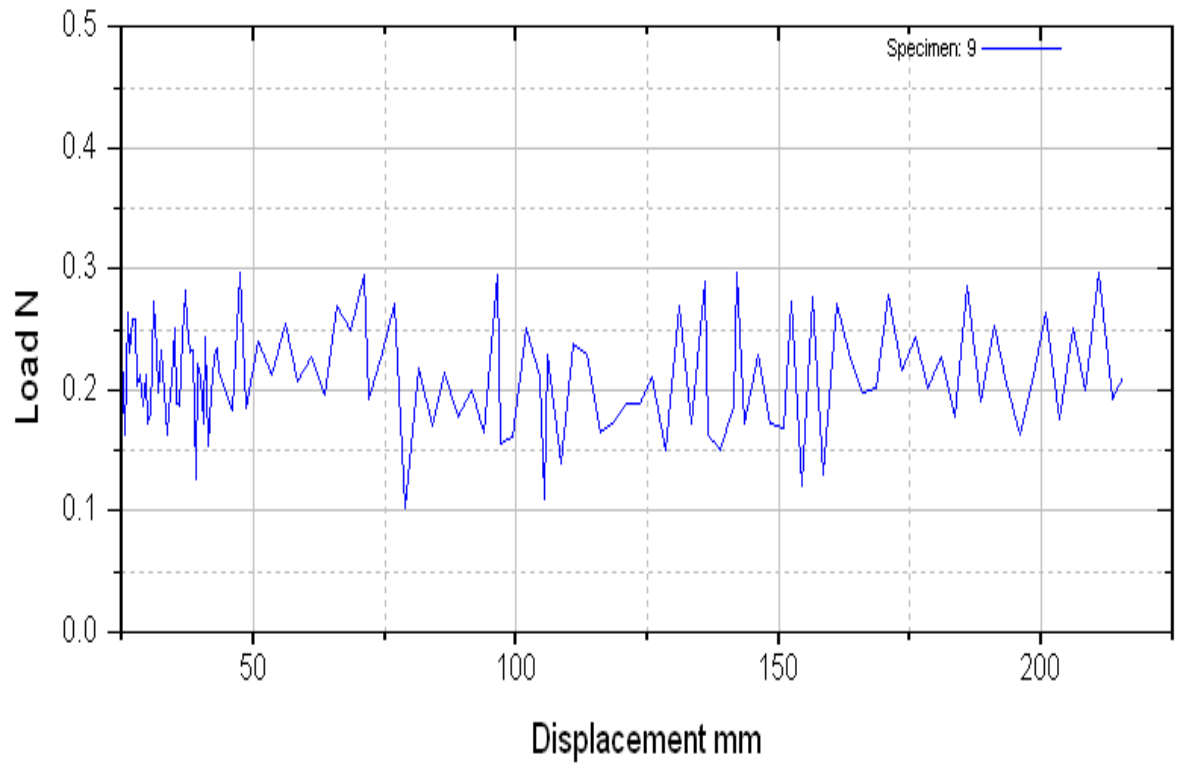


Figure 1(a): A Peel test curve for pure Alk-45

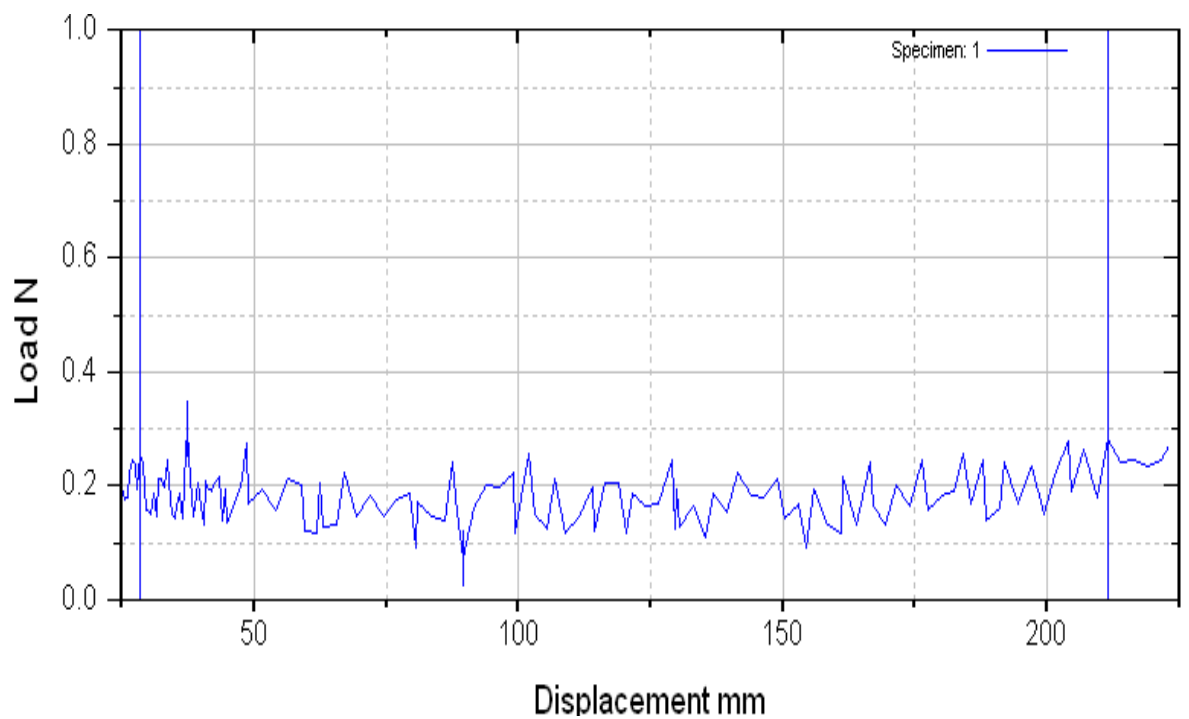


Figure 1(b): A Peel test curve for pure Alk-45

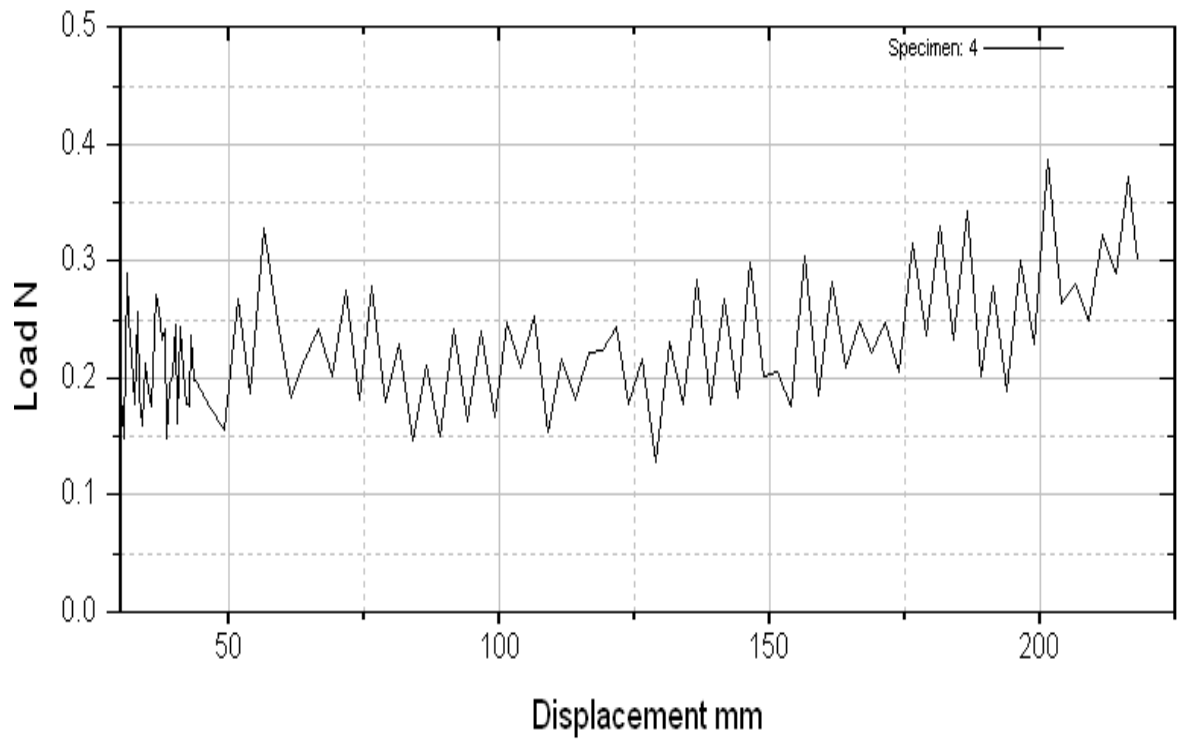


Figure 1(c): A Peel test curve for pure Alk-45

Appendix J: Peel test result of pure Alk-65resin

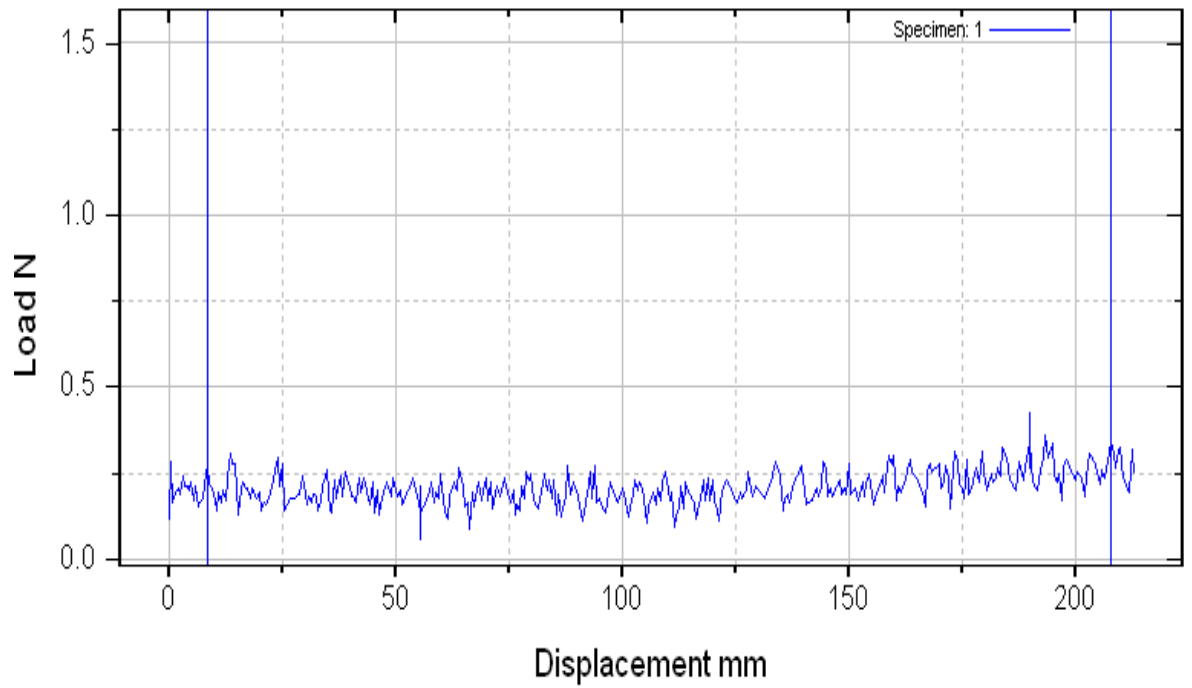


Figure 1(a): A Peel test curve for pure Alk-65

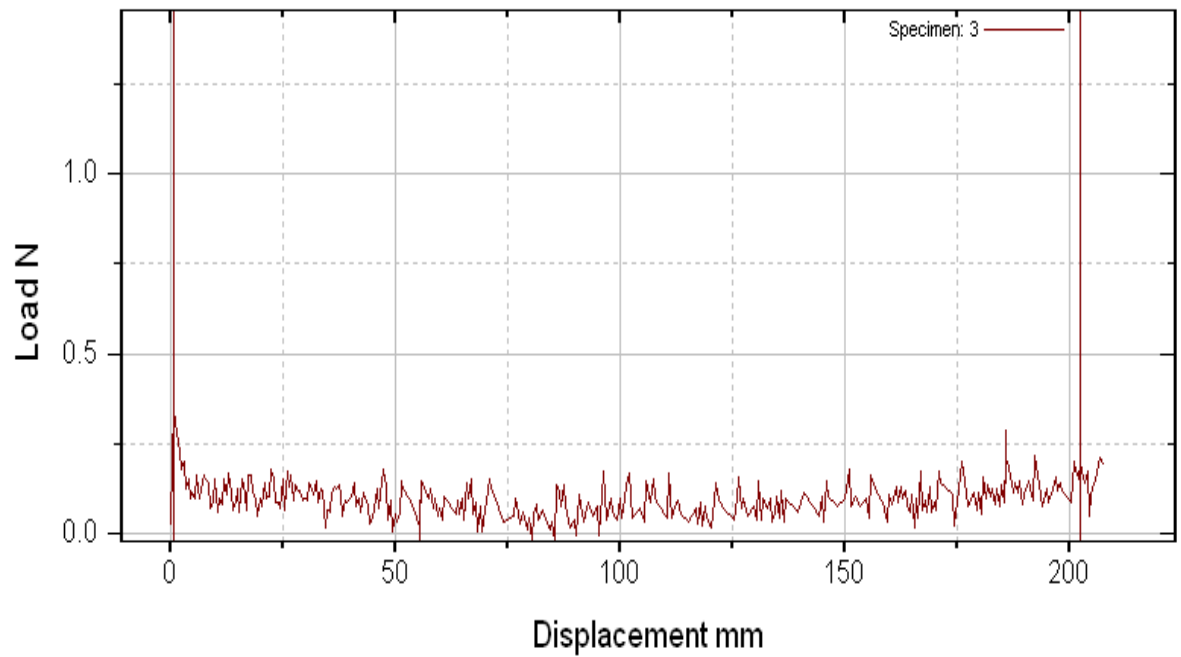


Figure 1(b): A Peel test curve for pure Alk-65

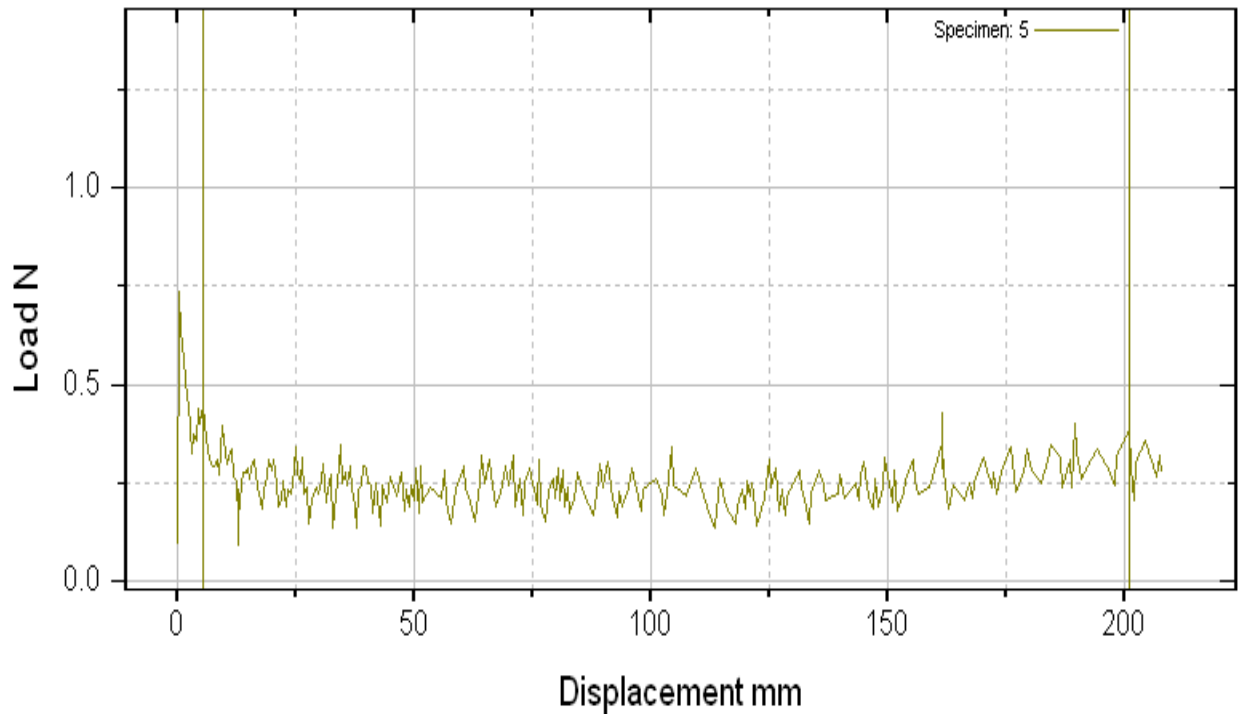


Figure 1(c): A Peel test curve for pure Alk-65

Appendix K: A Peel test curve of sample Alk-47 PSA tapes

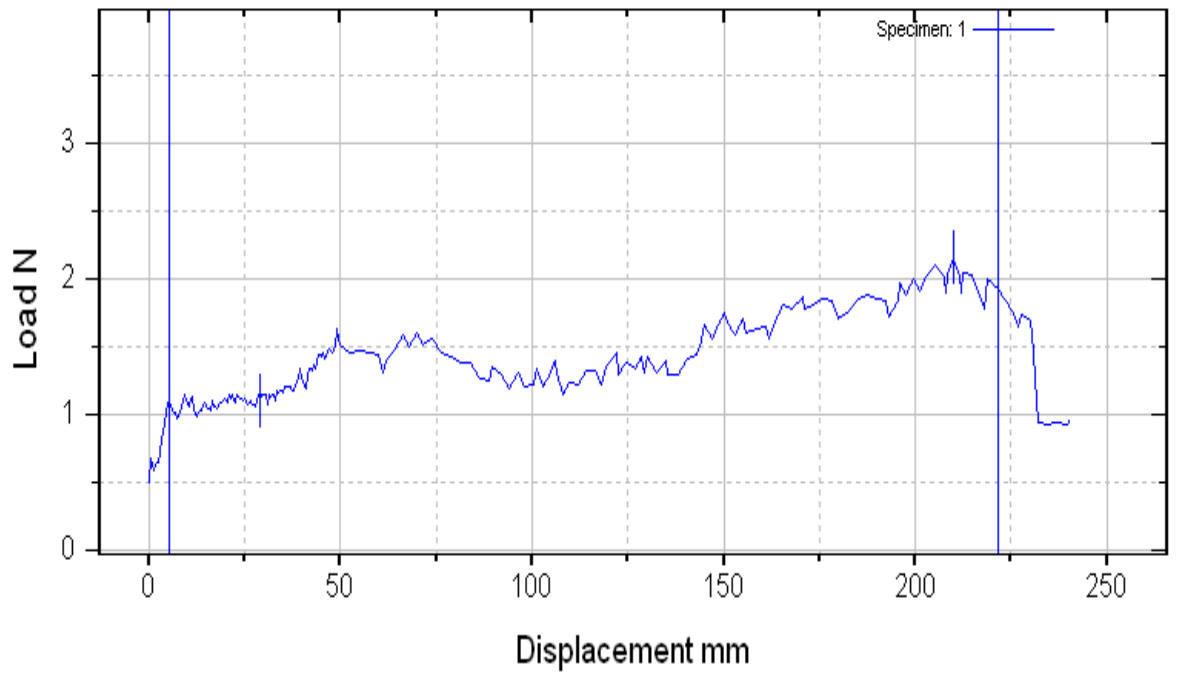


Figure 1(a): A Peel test curve of sample Alk-47 PSA tapes

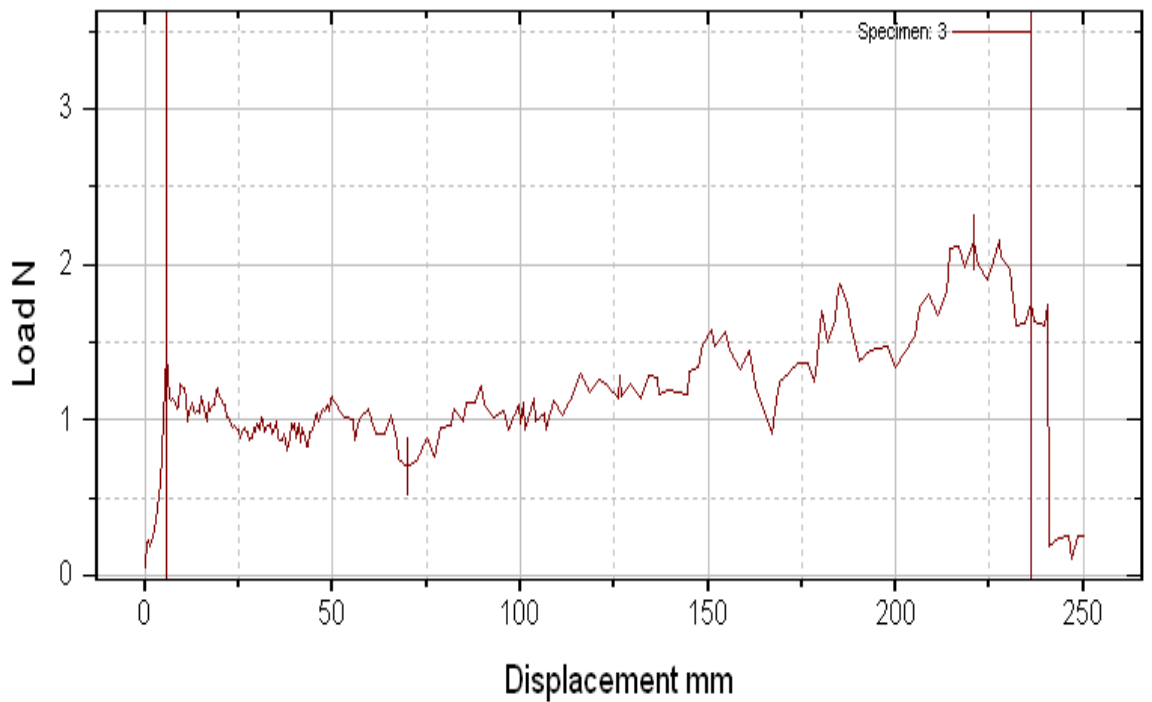


Figure 1(b): A Peel test curve of sample Alk-47 PSA tapes

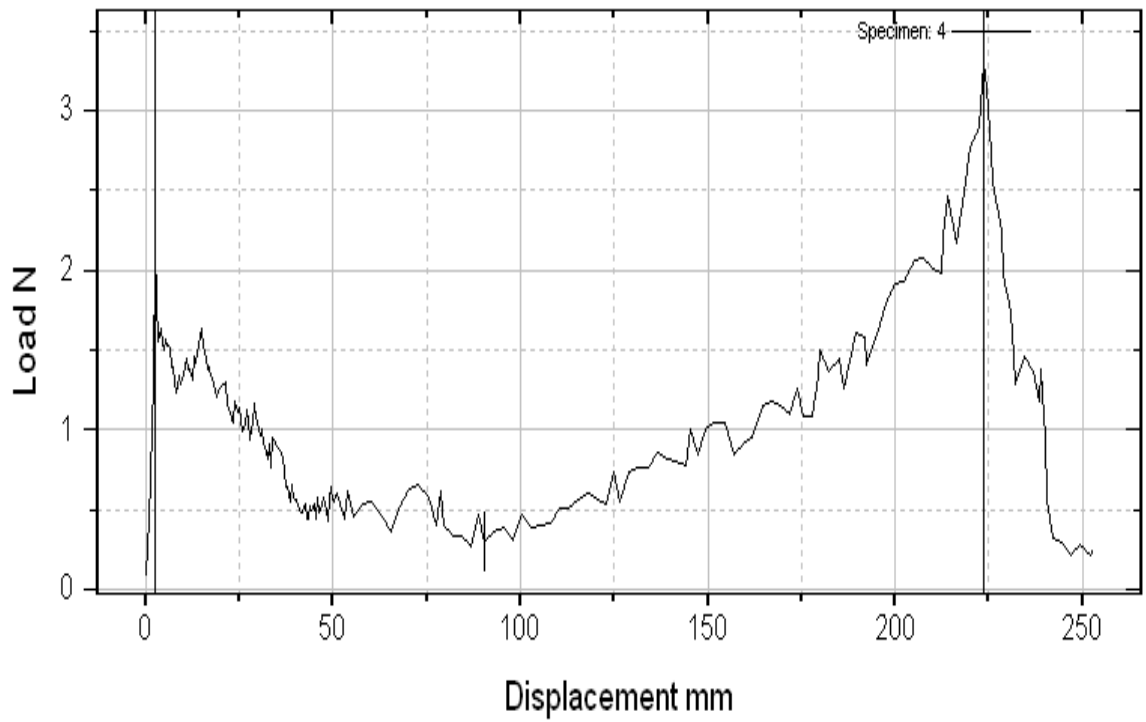


Figure 1(c): A Peel test curve of sample Alk-47 PSA tapes

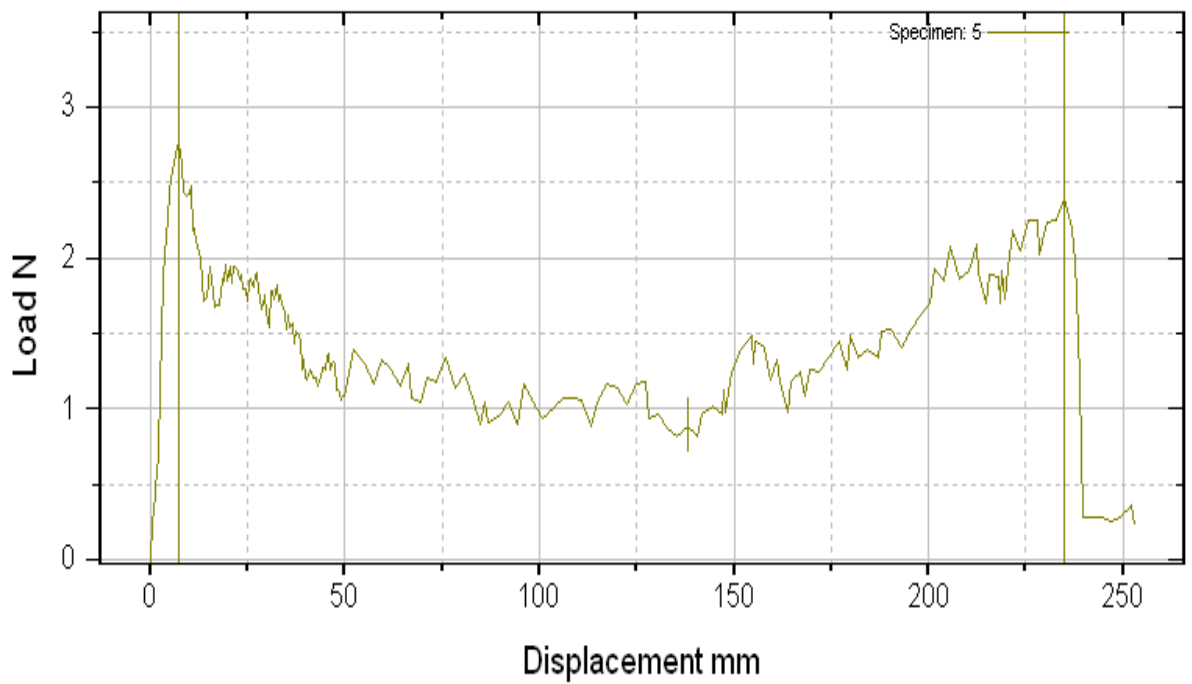


Figure 1(d): A Peel test curve of sample Alk-47 PSA tapes

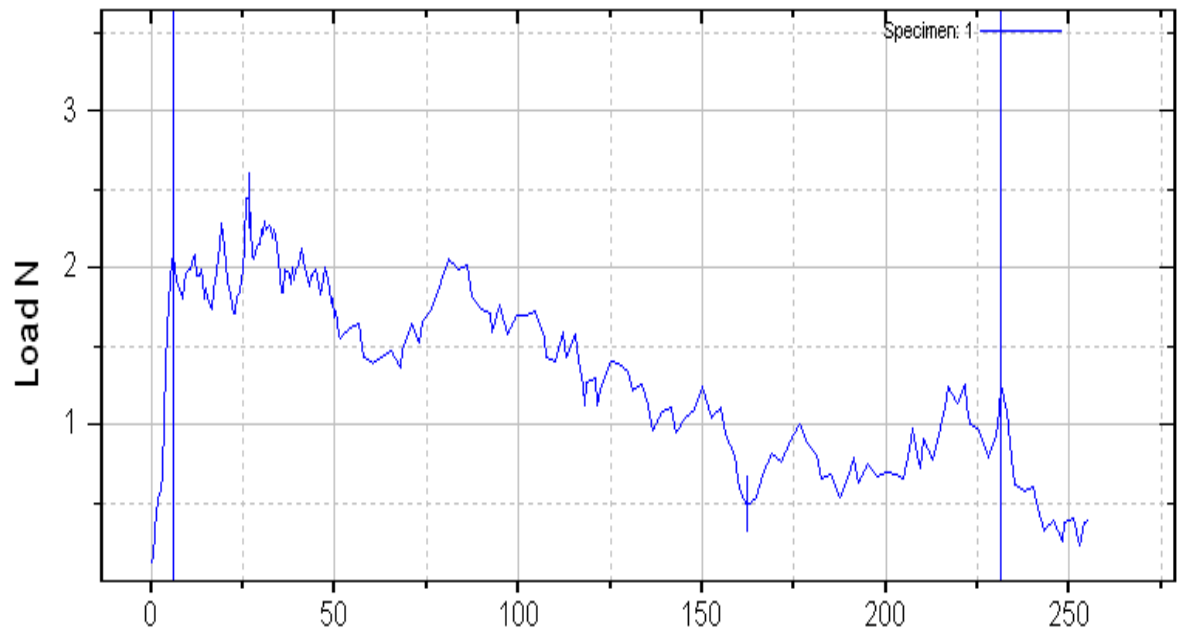


Figure 1(e): A Peel test curve of sample Alk-47 PSA tapes

Appendix L: A Peel test curve of sample Alk-45 PSA tapes

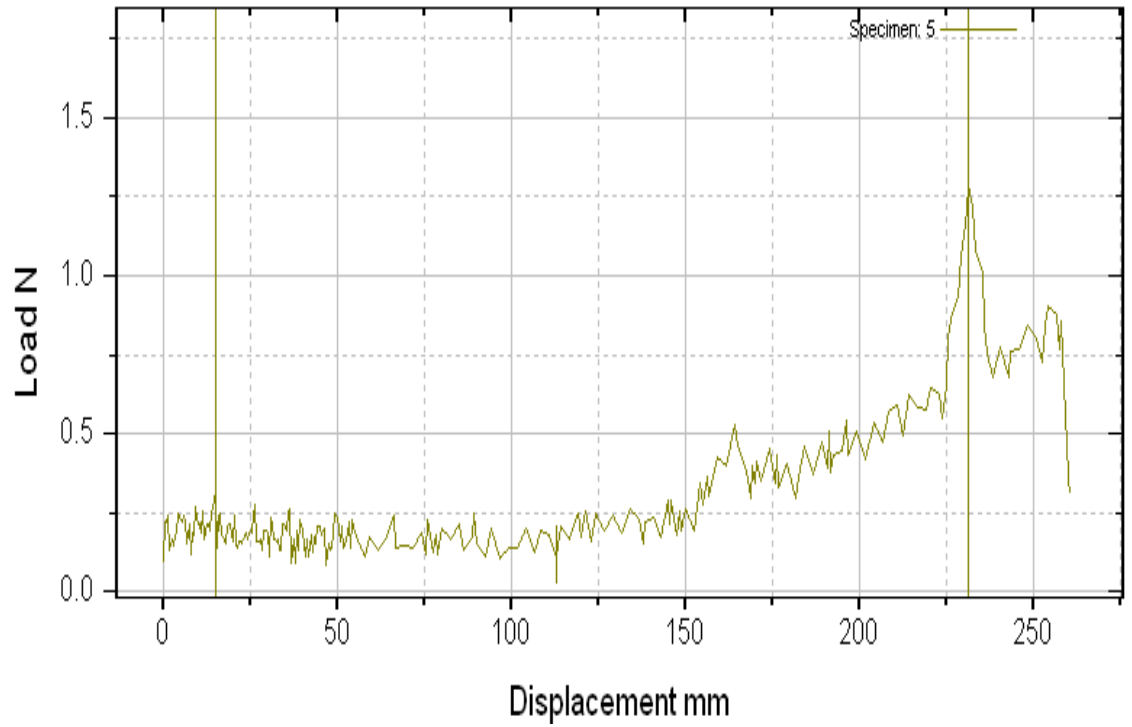


Figure 1(a): A Peel test curve of sample Alk-45 PSA tapes

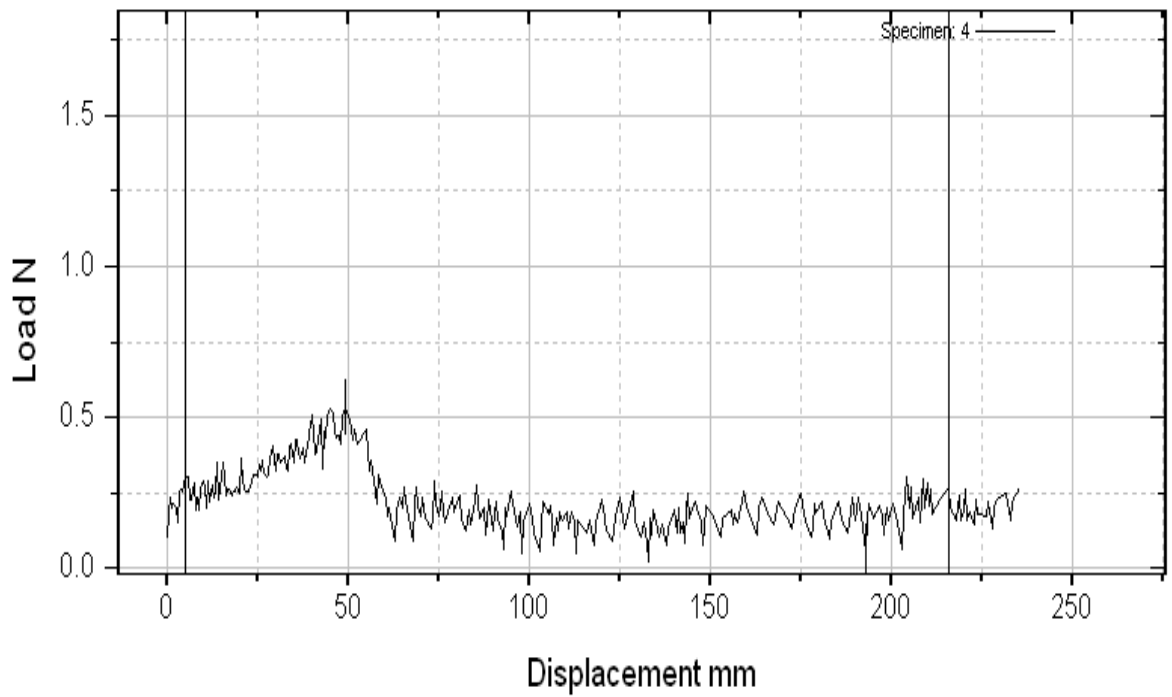


Figure 1(b): A Peel test curve of sample Alk-45 PSA tapes

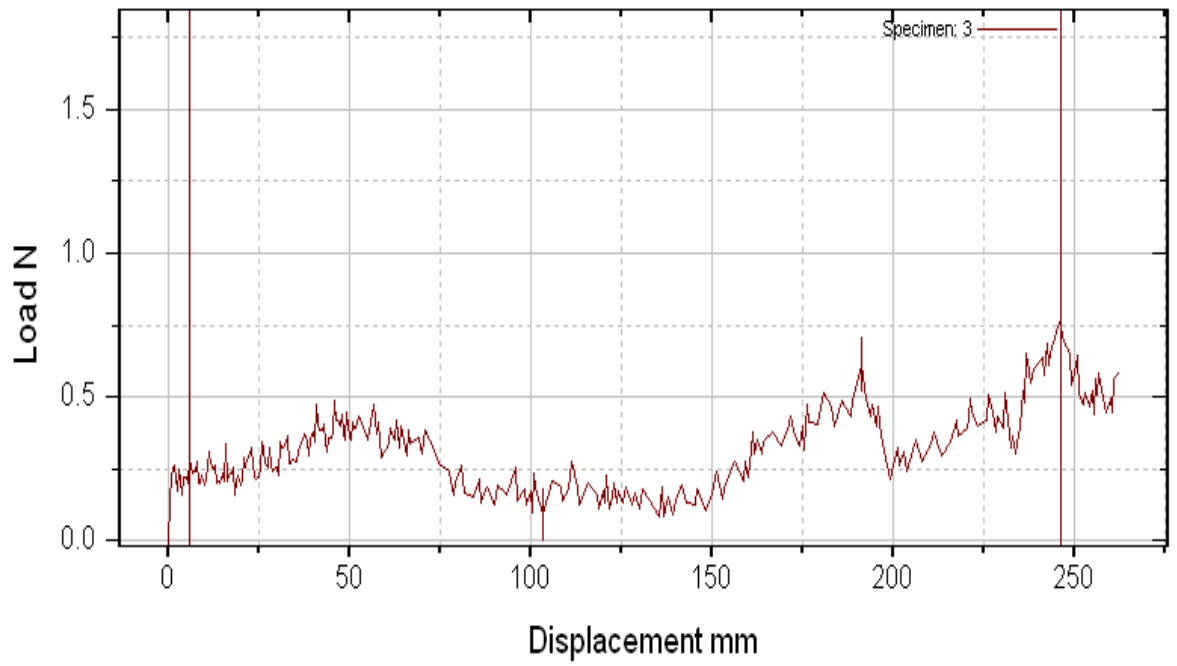


Figure 1(c): A Peel test curve of sample Alk-45 PSA tapes

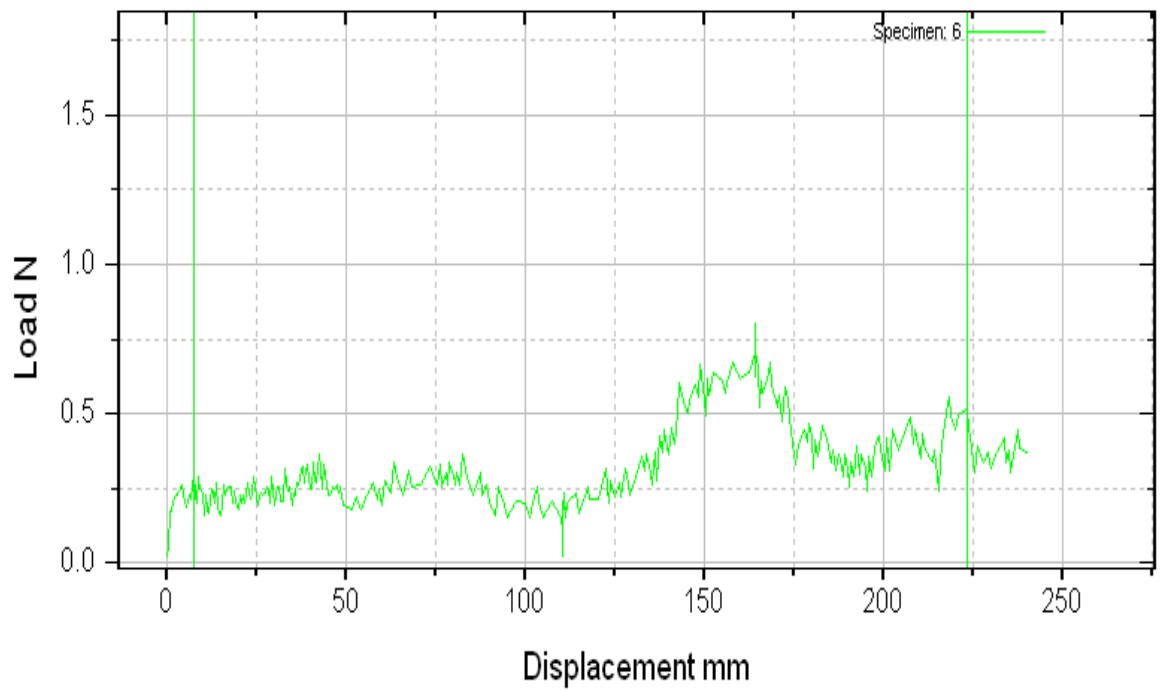


Figure 1(d): A Peel test curve of sample Alk-45 PSA tapes

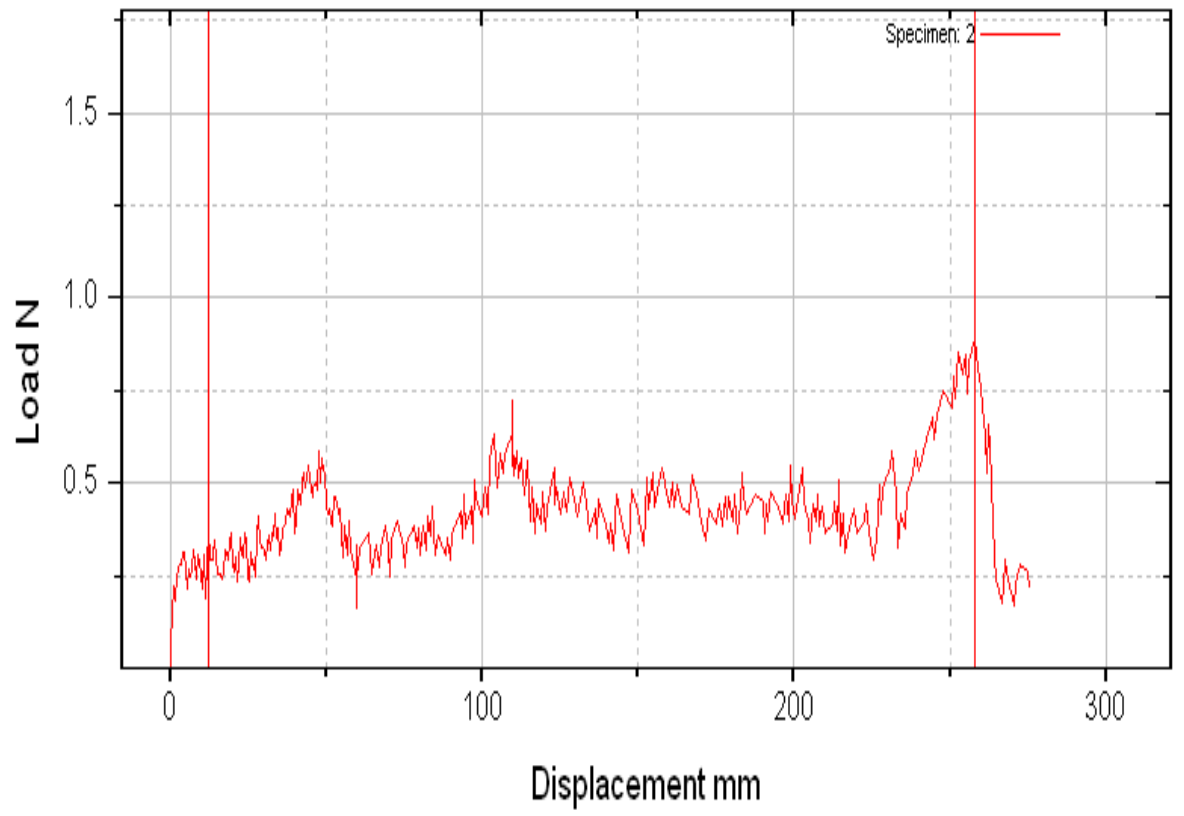


Figure 1(e): A Peel test curve of sample Alk-45 PSA tapes

Appendix M: A Peel test curve of sample Alk-65 PSA tapes

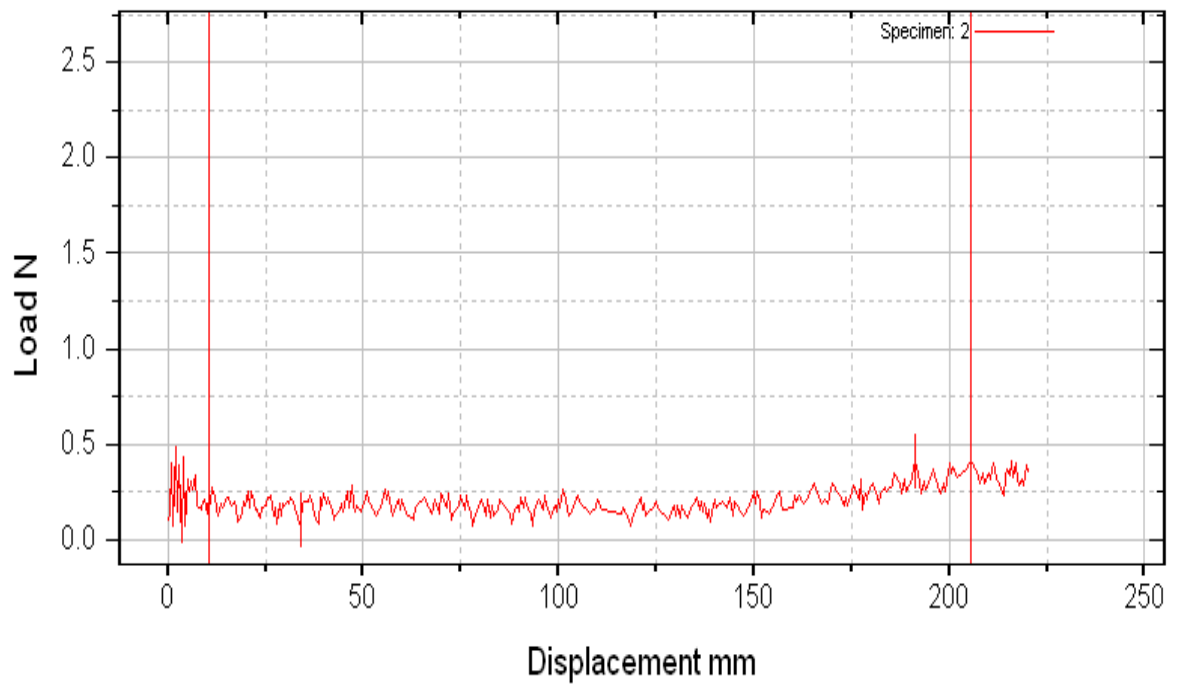


Figure 1(a): A Peel test curve of sample Alk-65 PSA tapes

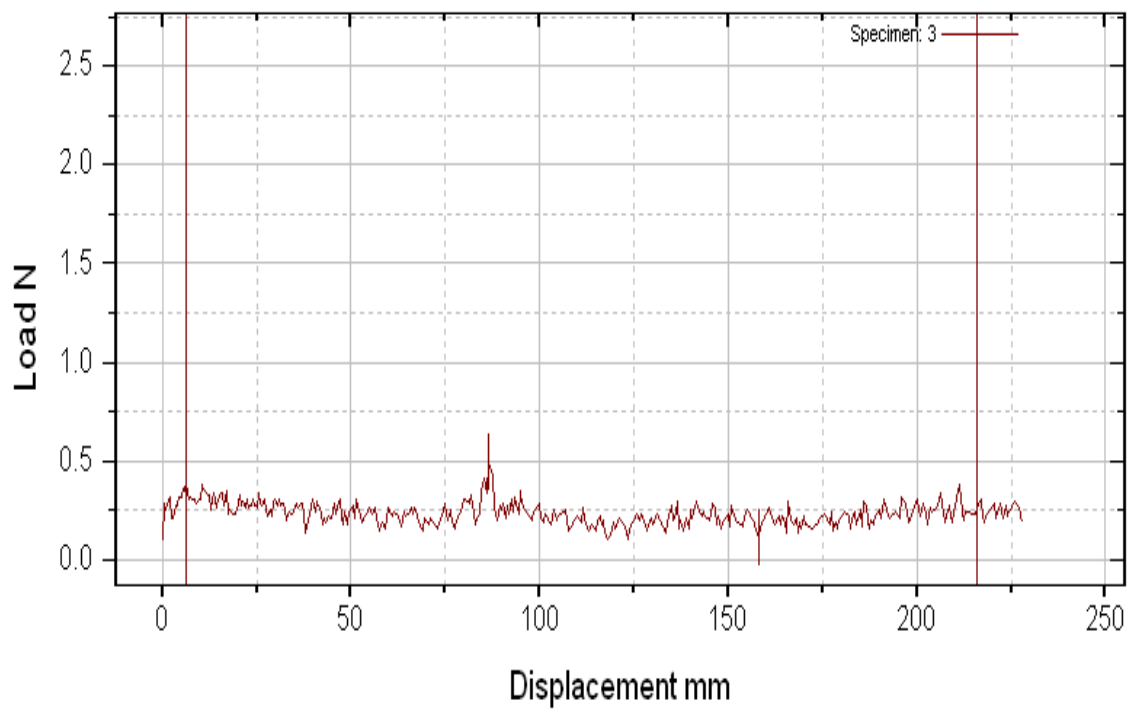


Figure 1(b): A Peel test curve of sample Alk-65 PSA tapes

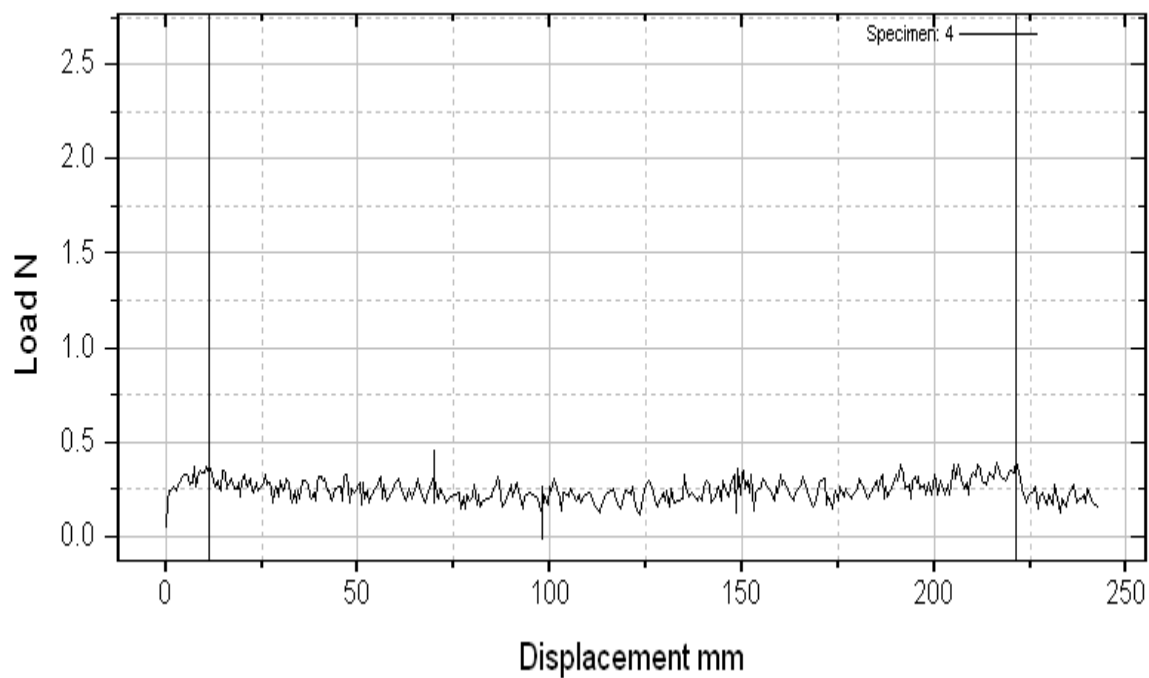


Figure 1(c): A Peel test curve of sample Alk-65 PSA tapes

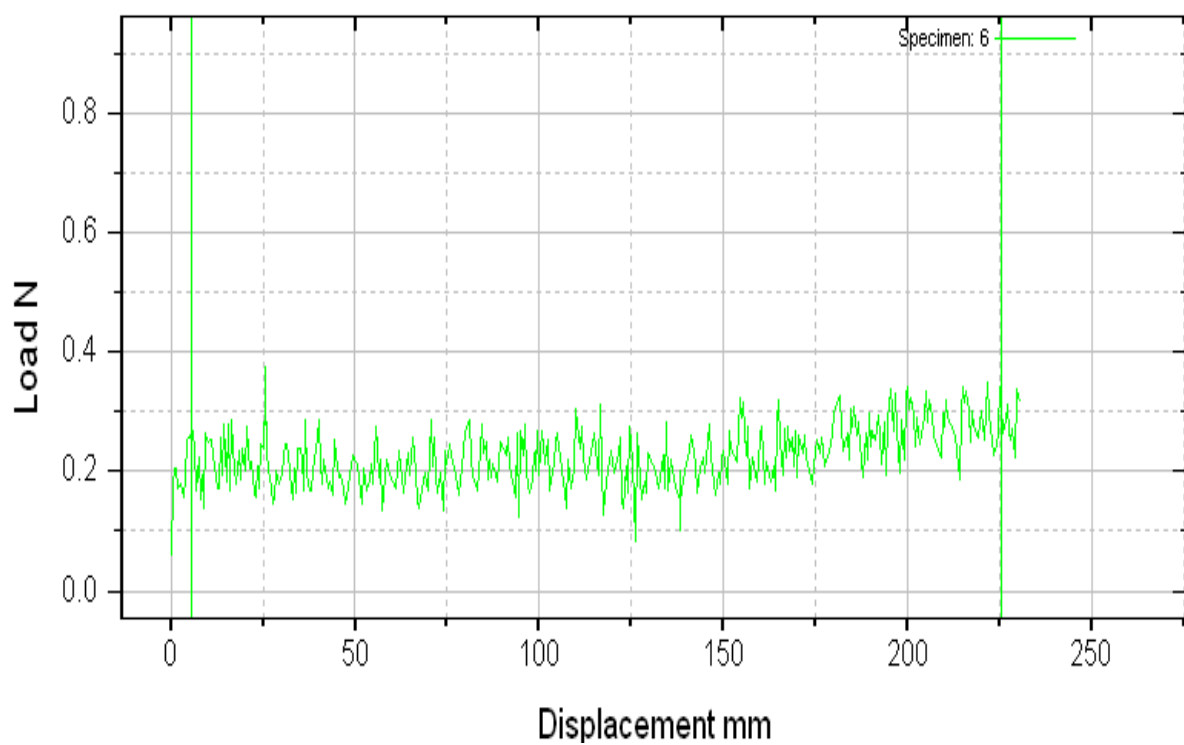


Figure 1(d): A Peel test curve of sample Alk-65 PSA tapes

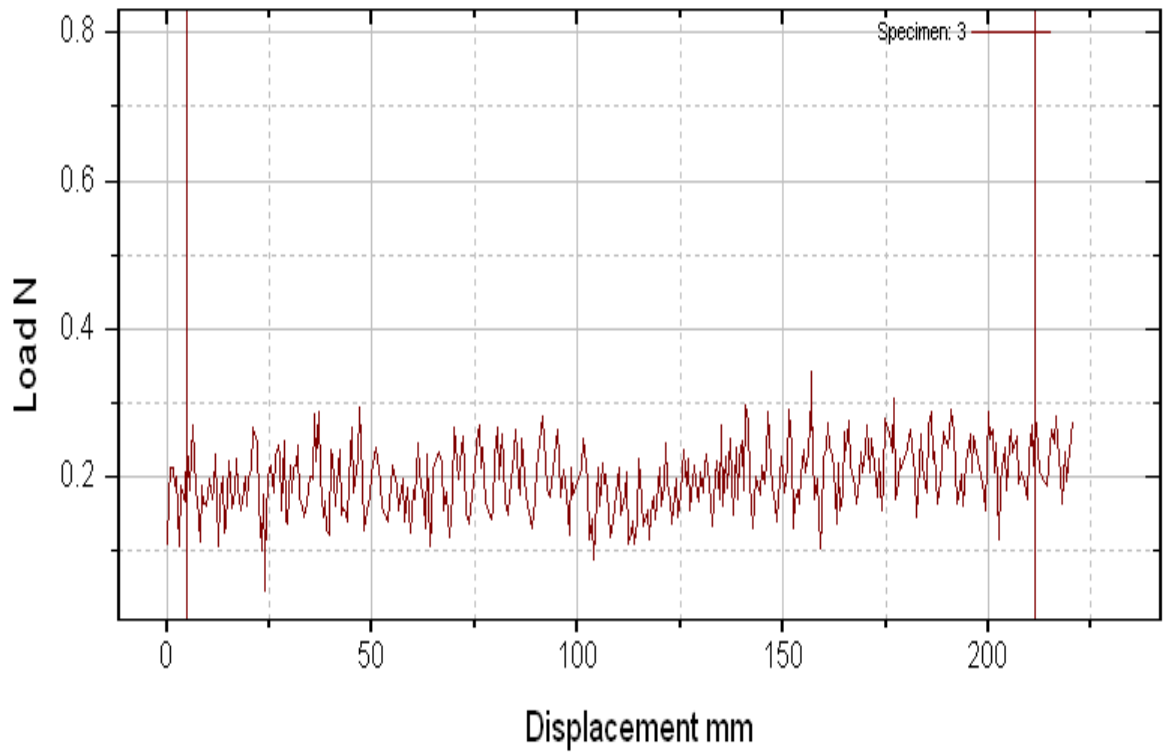


Figure 1(e): A Peel test curve of sample Alk-65 PSA tapes

Appendix N: A Peel test curve of commercial PSA tapes

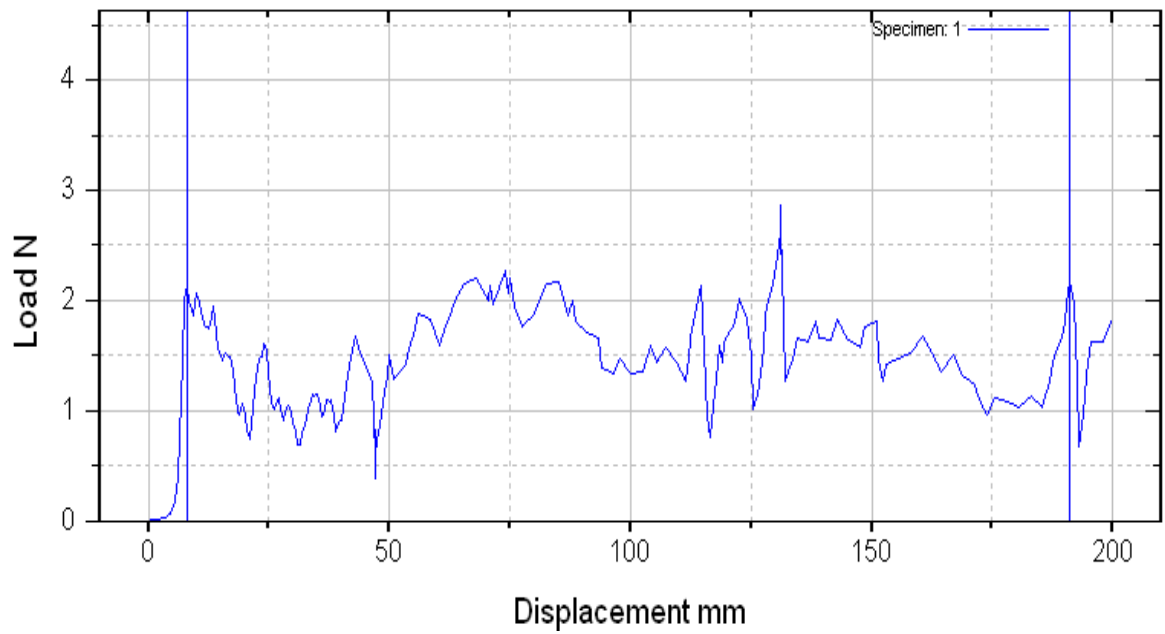


Figure 1(a): A Peel test curve of commercial PSA tapes Toyo

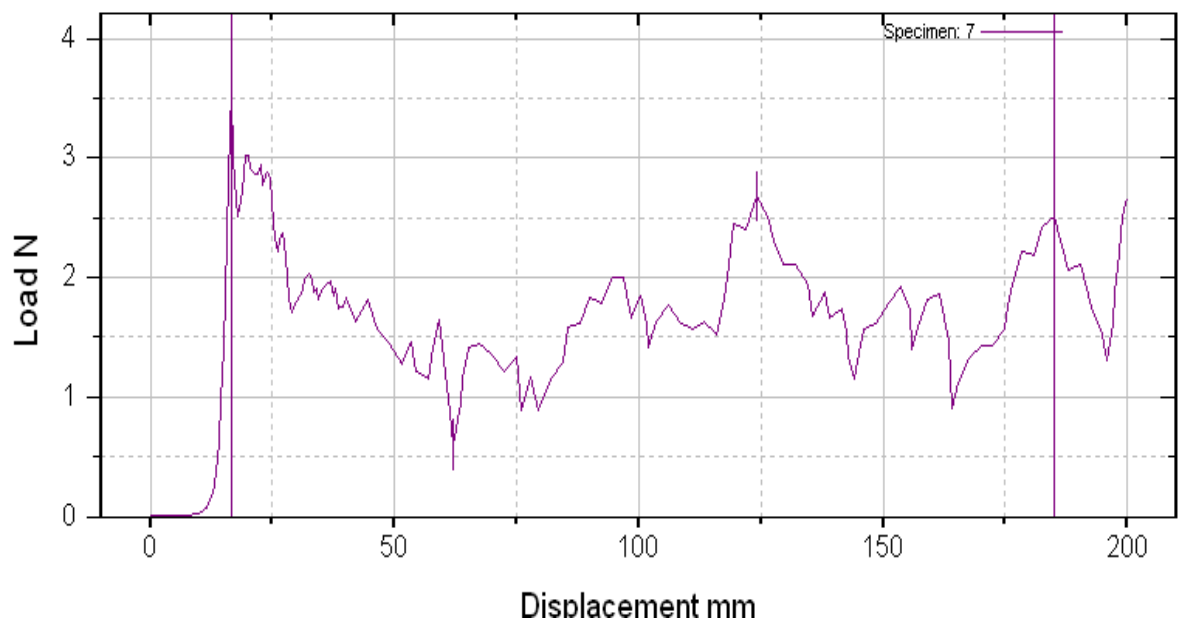


Figure 1(b): A Peel test curve of commercial PSA tapes Toyo

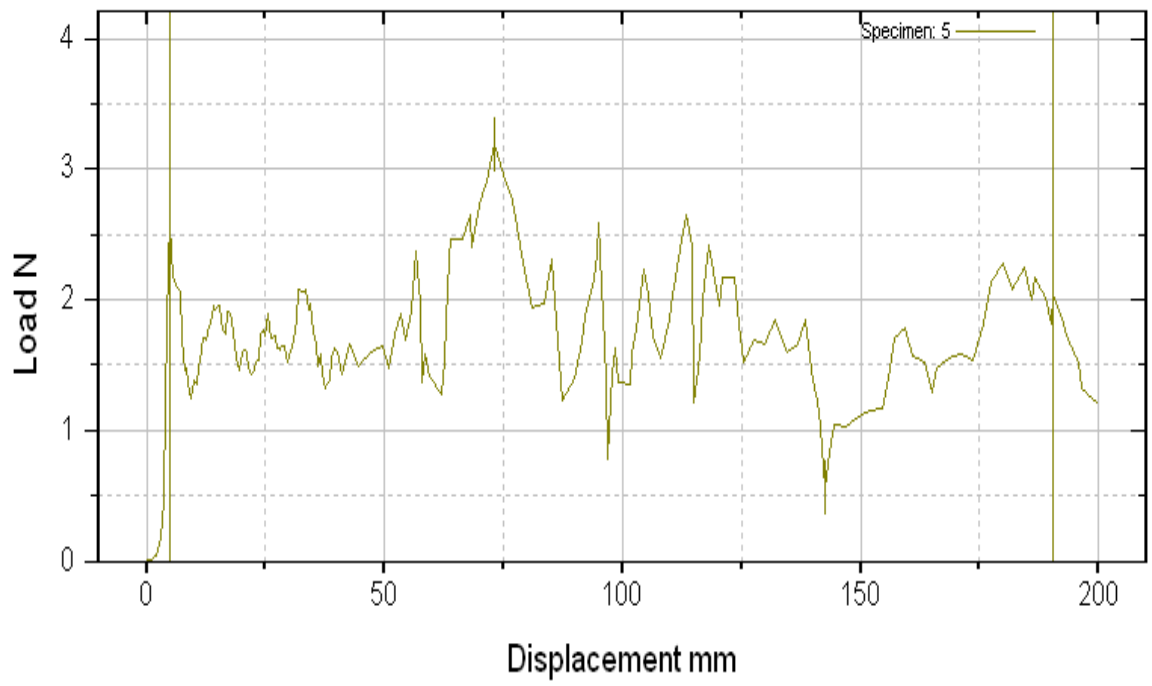


Figure 1(c): A Peel test curve of commercial PSA tapes Toyo

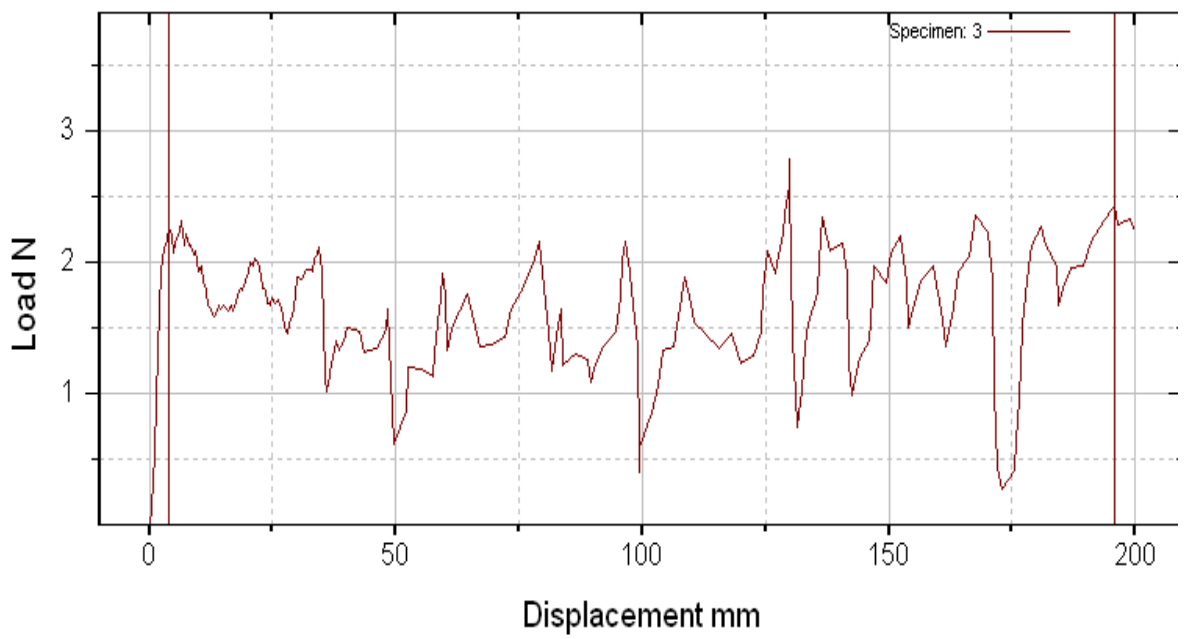


Figure 2(a): A Peel test curve of commercial PSA tapes Loytape

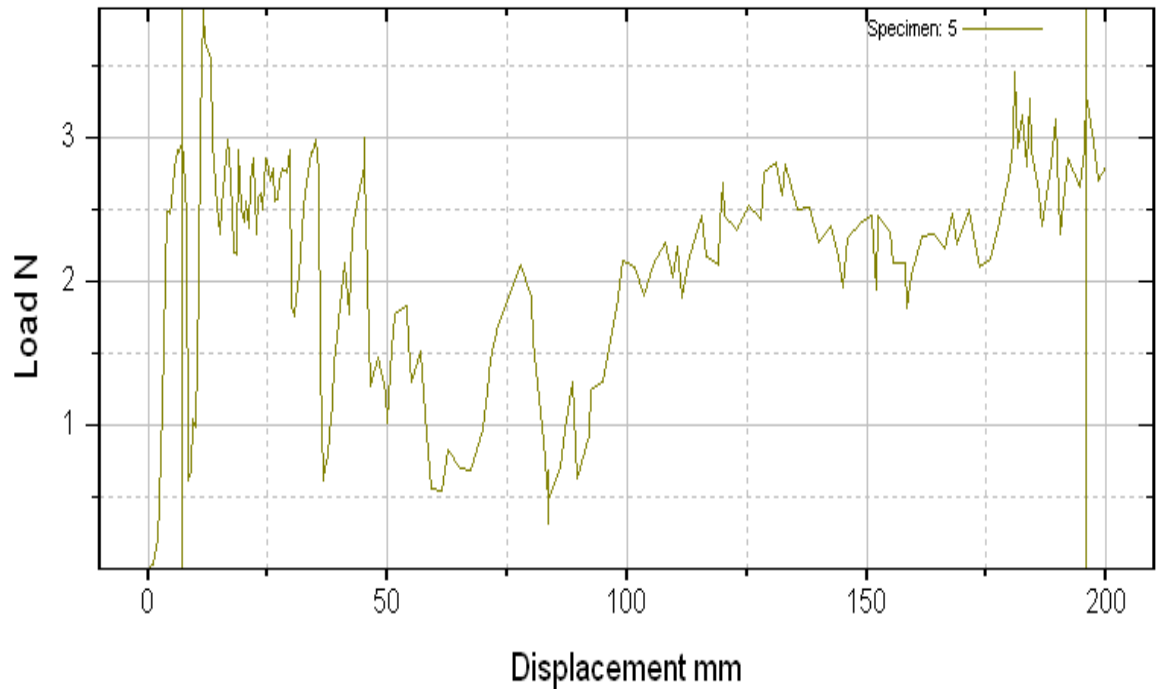


Figure 2(b): A Peel test curve of commercial PSA tapes Loytape

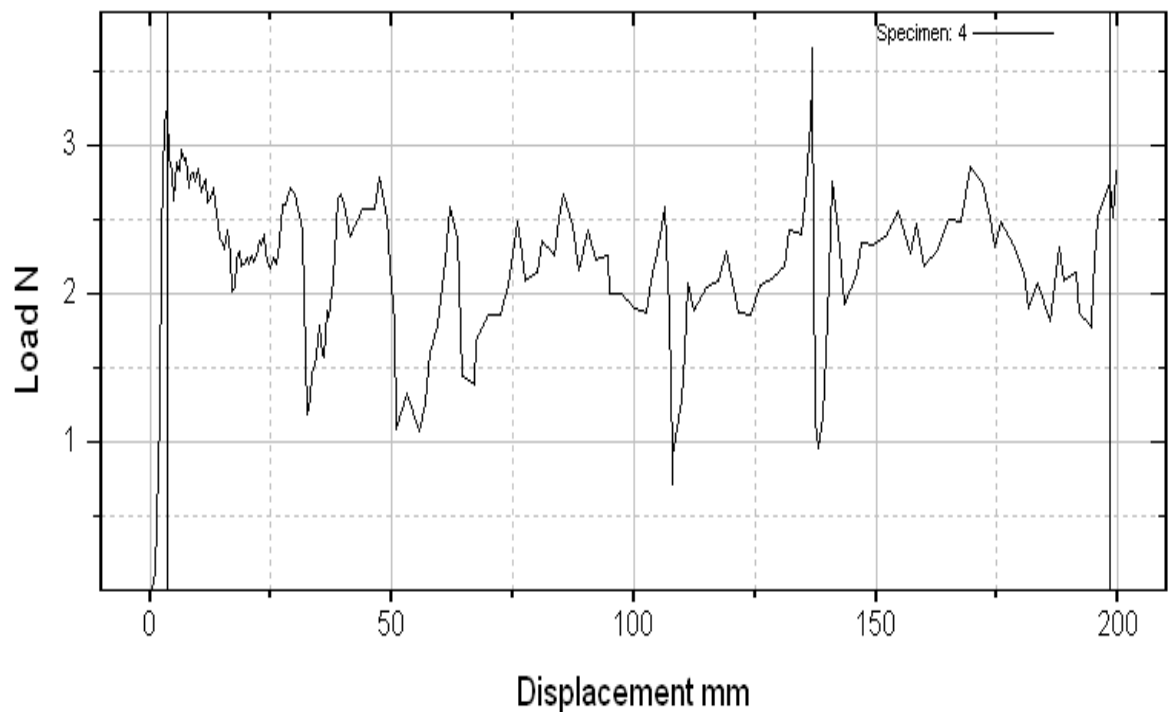


Figure 2(c): A Peel test curve of commercial PSA tapes Loytape

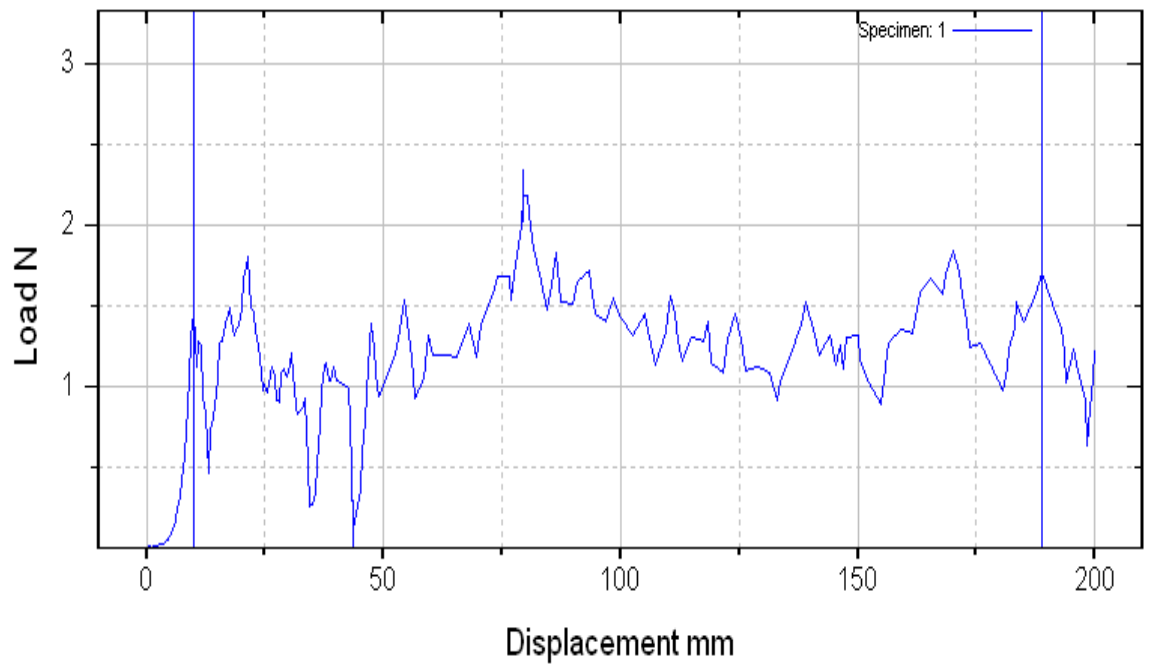


Figure 3(a): A Peel test curve of commercial PSA tapes ESI

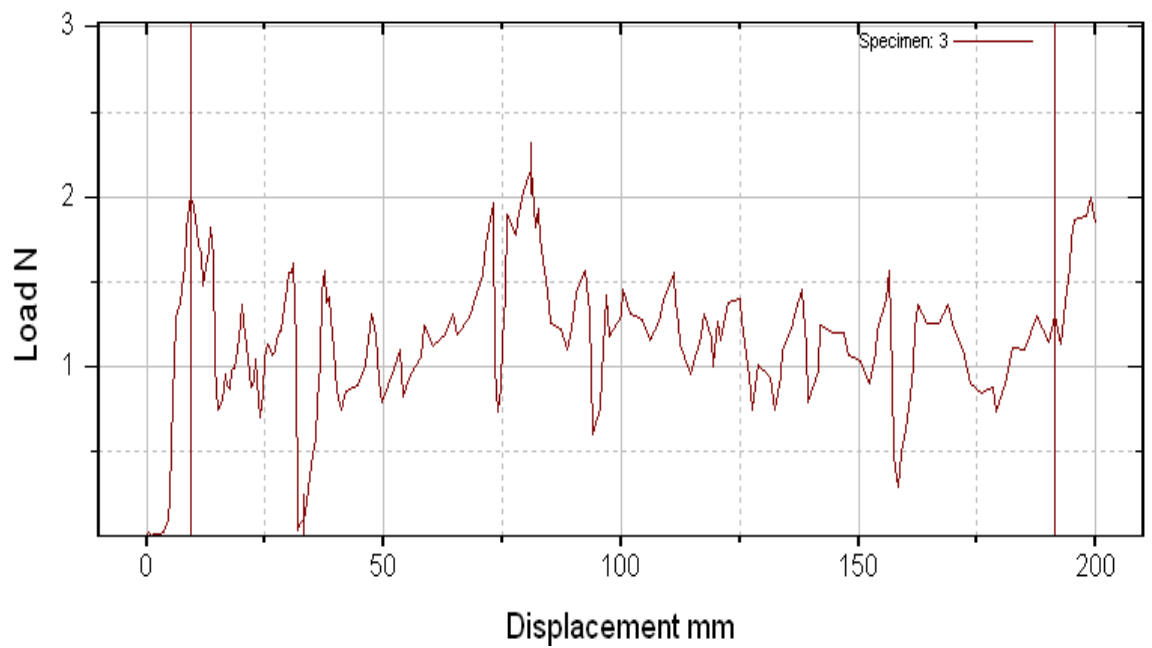


Figure 3(b): A Peel test curve of commercial PSA tapes ESI

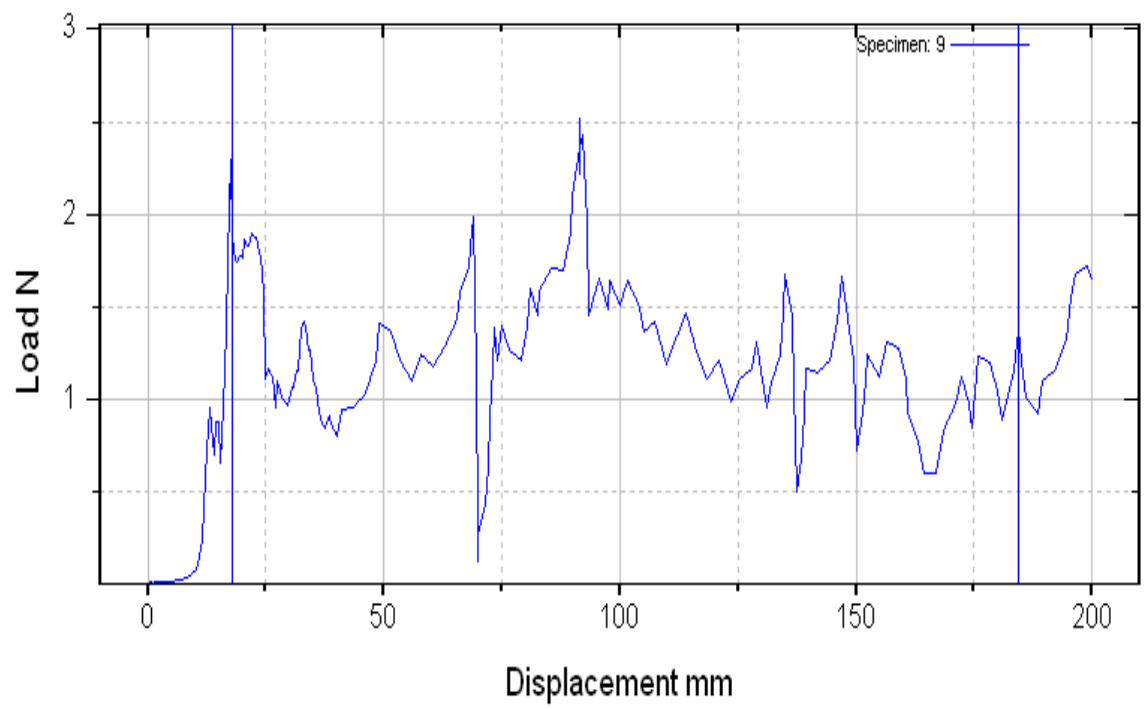


Figure 3(c): A Peel test curve of commercial PSA tapes ESI