A decorative scroll-like frame with a black outline and rounded corners. The top-left and bottom-left corners are rolled up, showing a grey stippled texture. The word "Figures" is centered within the frame in a black serif font.

# Figures

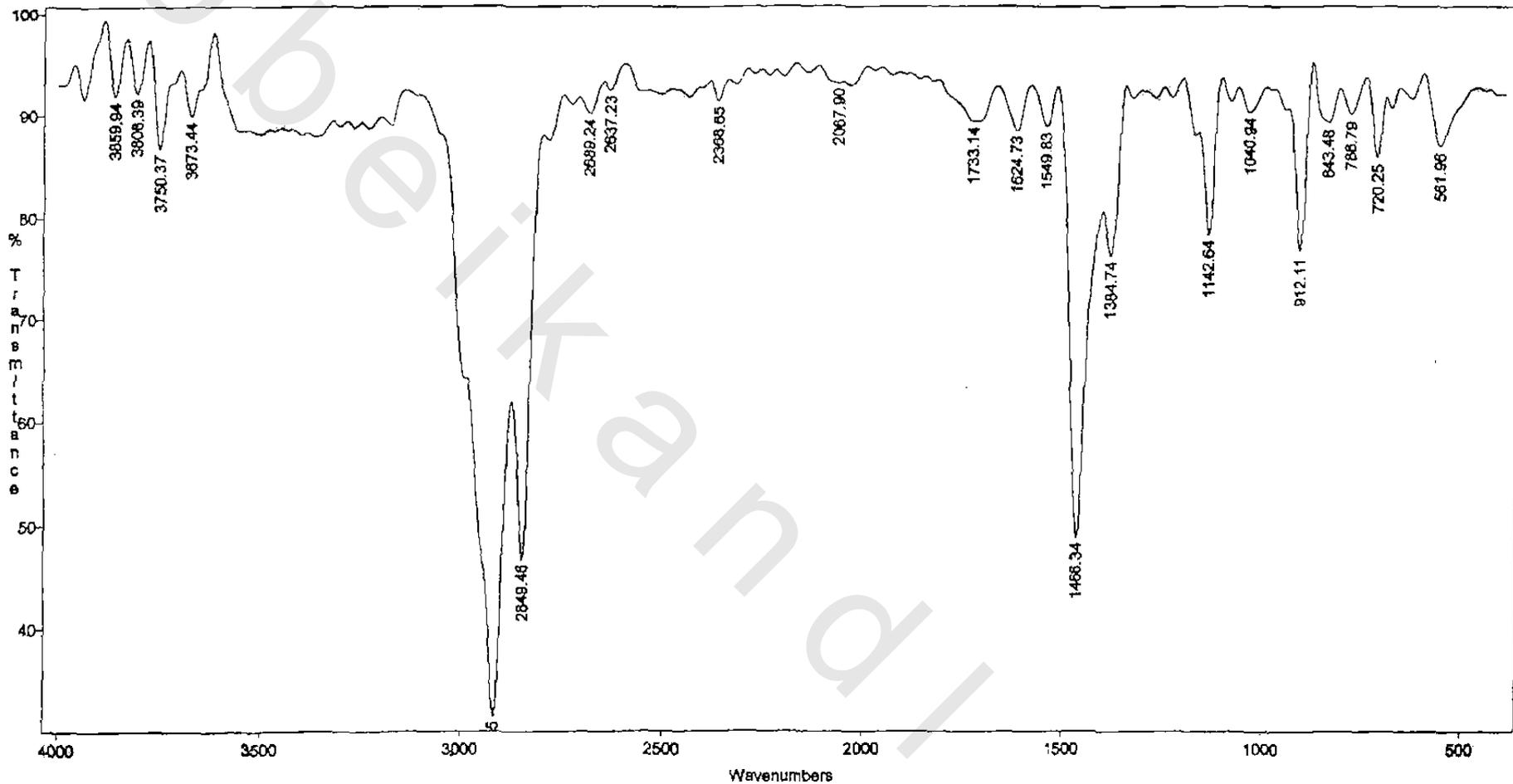


Fig. (17): FT-IR spectrum of N,N,N,N-decyldimethylisopropylammonium bromide.  
(DEDIABr)

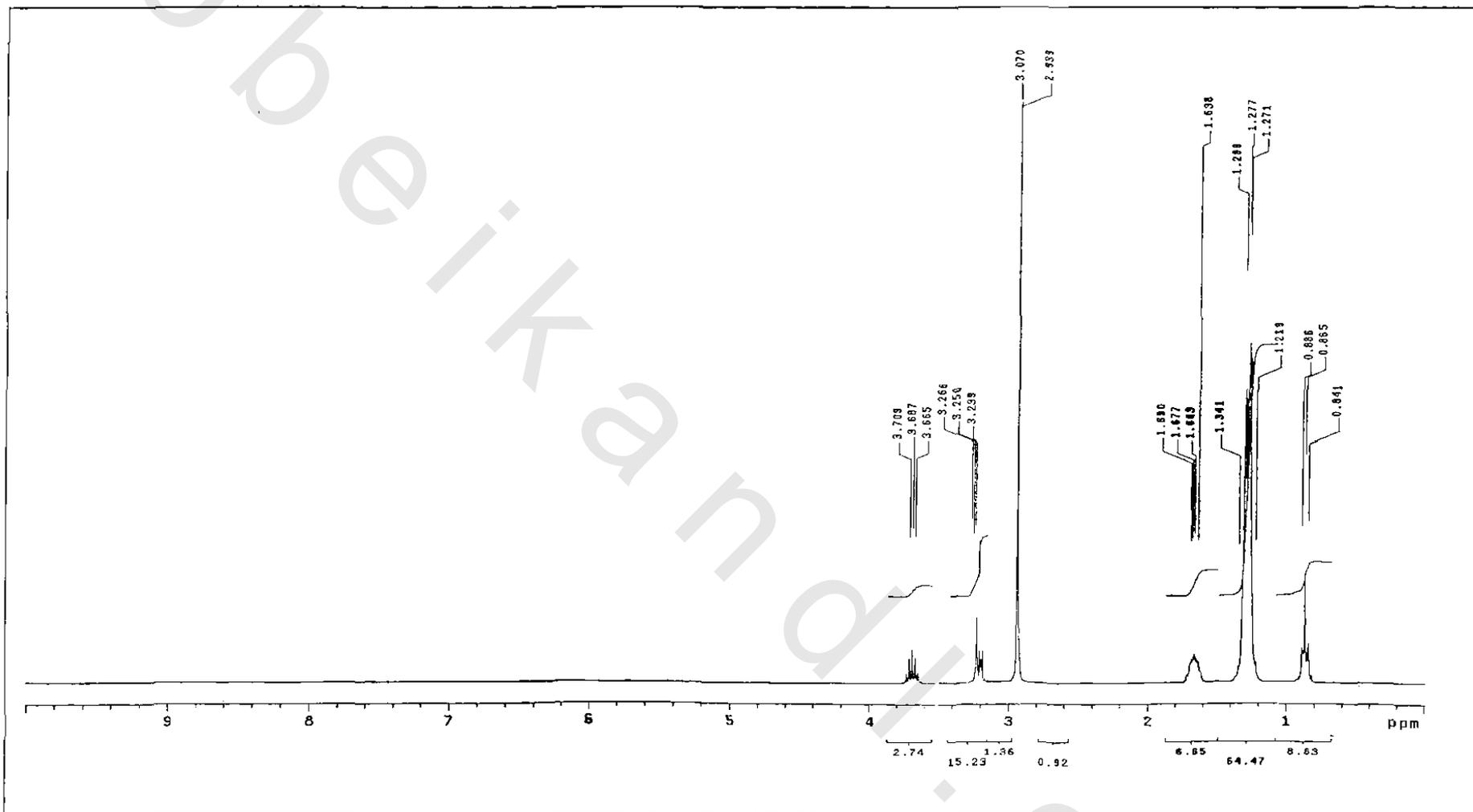
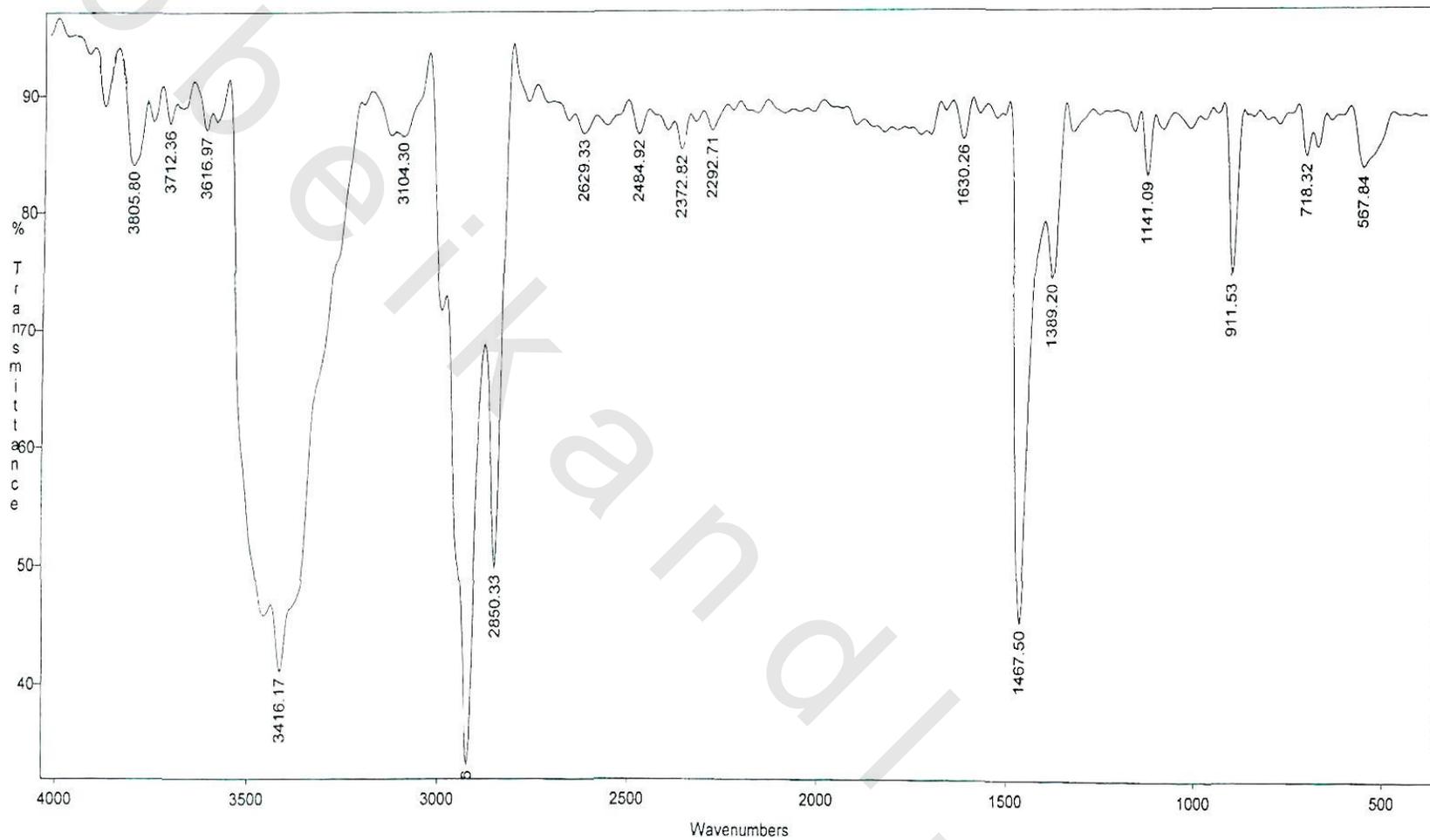


Fig. (18):  $^1\text{H}$ NMR spectrum of N,N,N,N-decyldimethylisopropylammonium bromide.  
(DEDIABr)



**Fig. (19):** FT-IR spectrum of N,N,N,N-decyldimethylisopropylammonium hydroxide.  
(DEDIAOH)

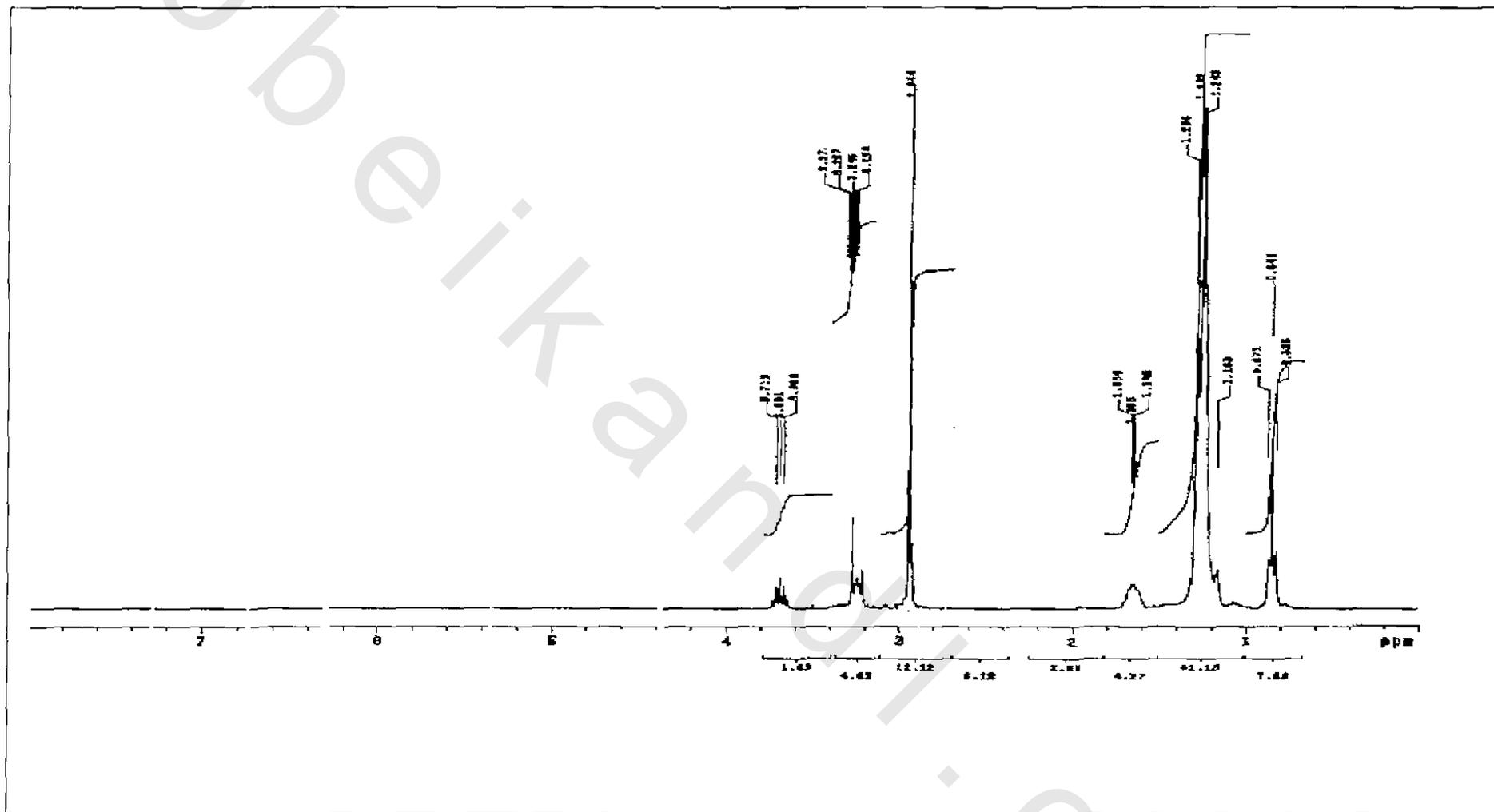


Fig. (20):  $^1\text{H}$ NMR spectrum of N,N,N,N-decyldimethylisopropylammonium hydroxide.  
(DEDIAOH)

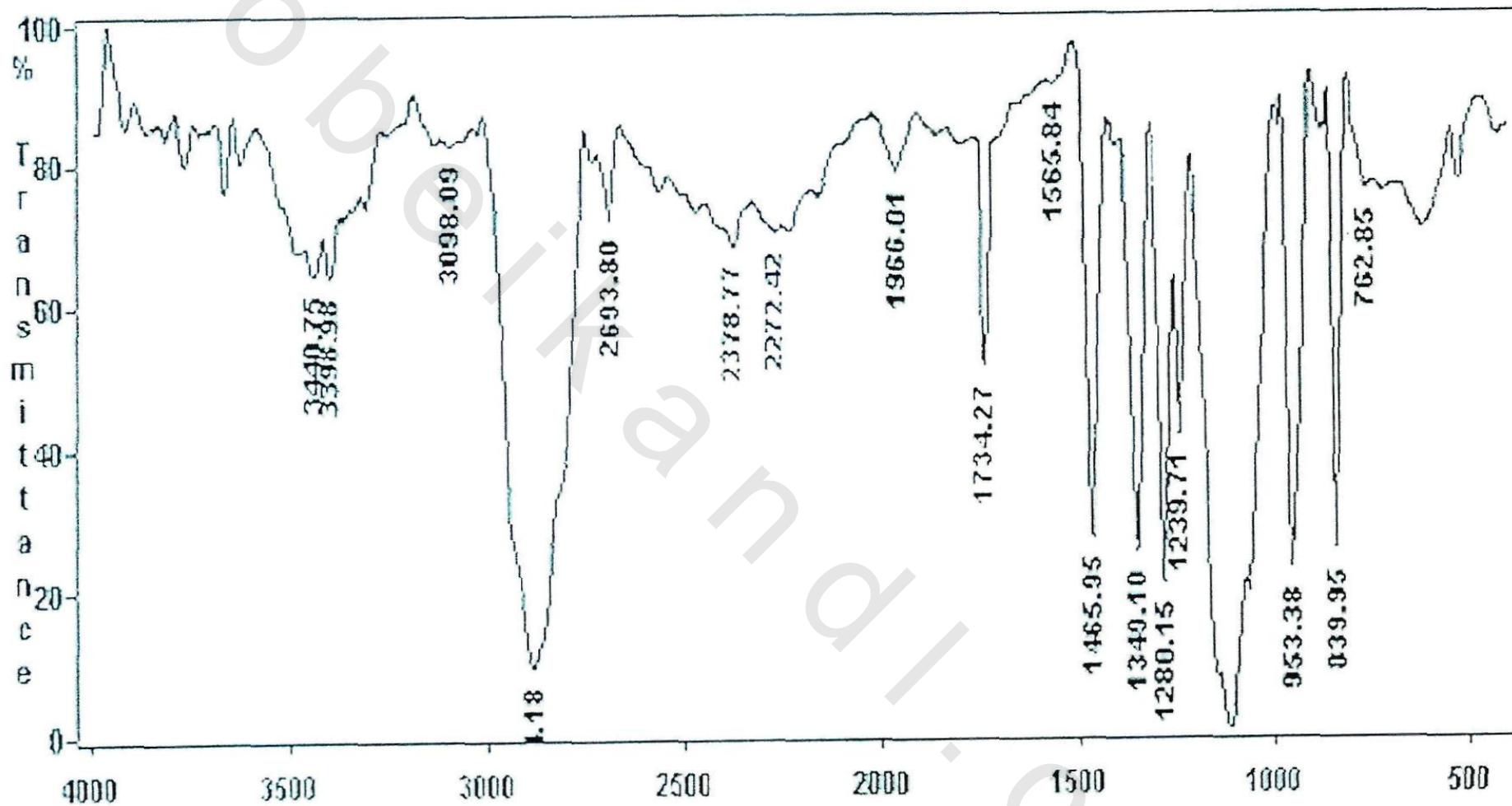


Fig. (21): FT-IR spectrum of ethoxylated N,N,N,N-dodecyldimethylammonium bromide benzoic acid.

E(54)

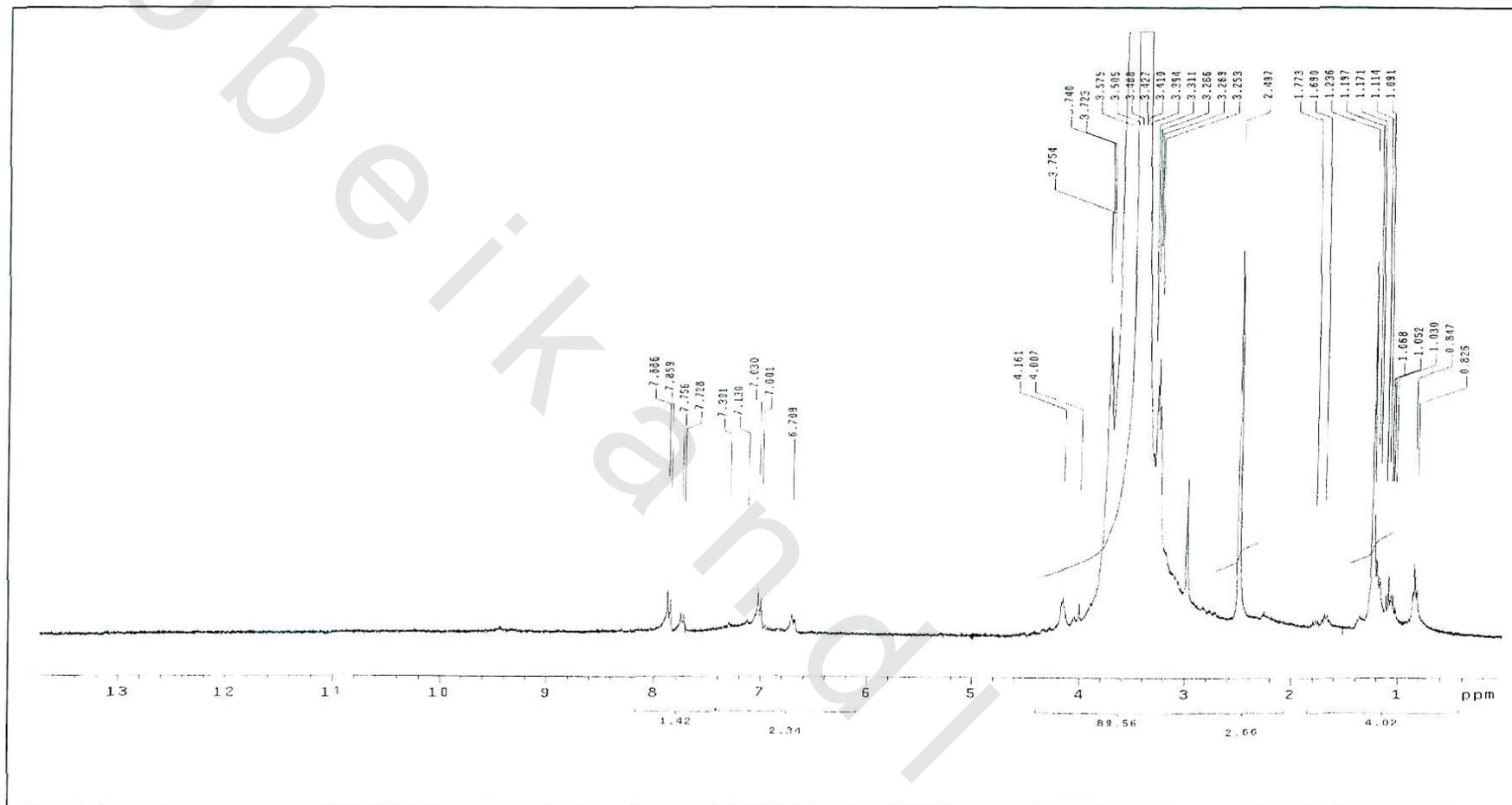


Fig. (22):  $^1\text{H}$ NMR spectrum of ethoxylated N,N,N,N-dodecyldimethylammonium bromide benzoic acid.

E(54)