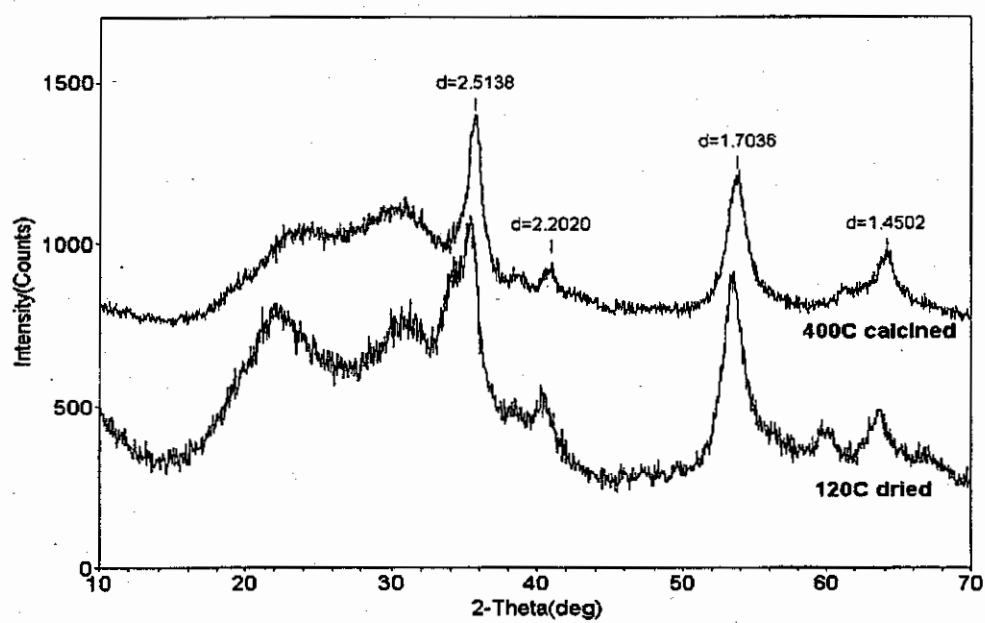


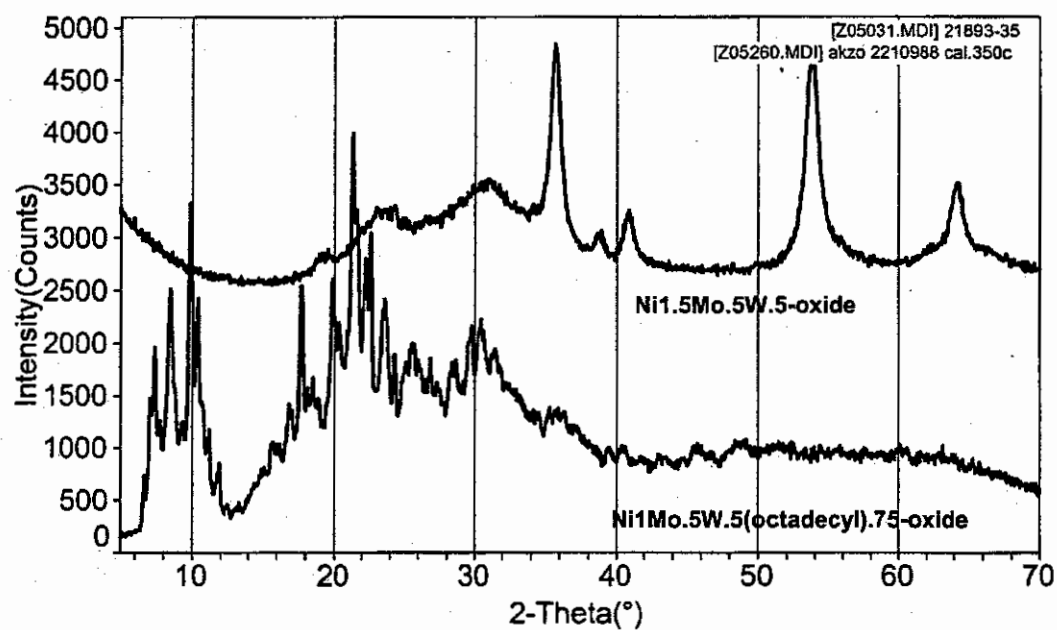
1/4

FIGURE 1



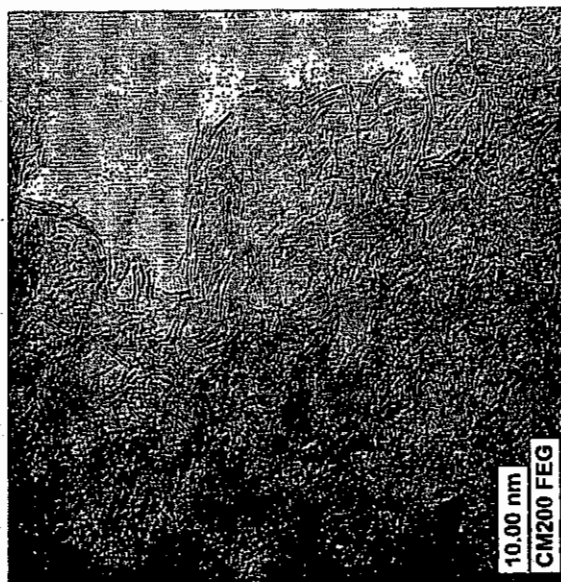
2/4

FIGURE 2



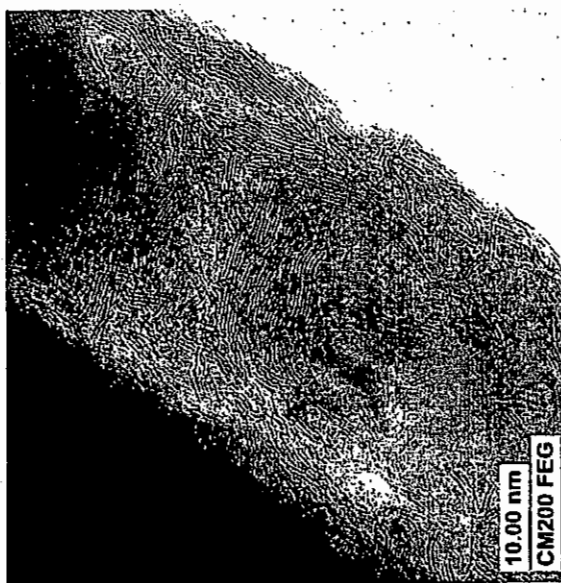
3/4

FIGURE 3-B



**Ni-Mo-W-S from surfactant-Ni-Mo-W-O
precursor: 15Å stack height : ~ 2.5 sheets**

FIGURE 3-A



**Ni-Mo-W-S from oxide precursor:
45Å stack height : ~ 7-8 sheets**

4/4

FIGURE 4

