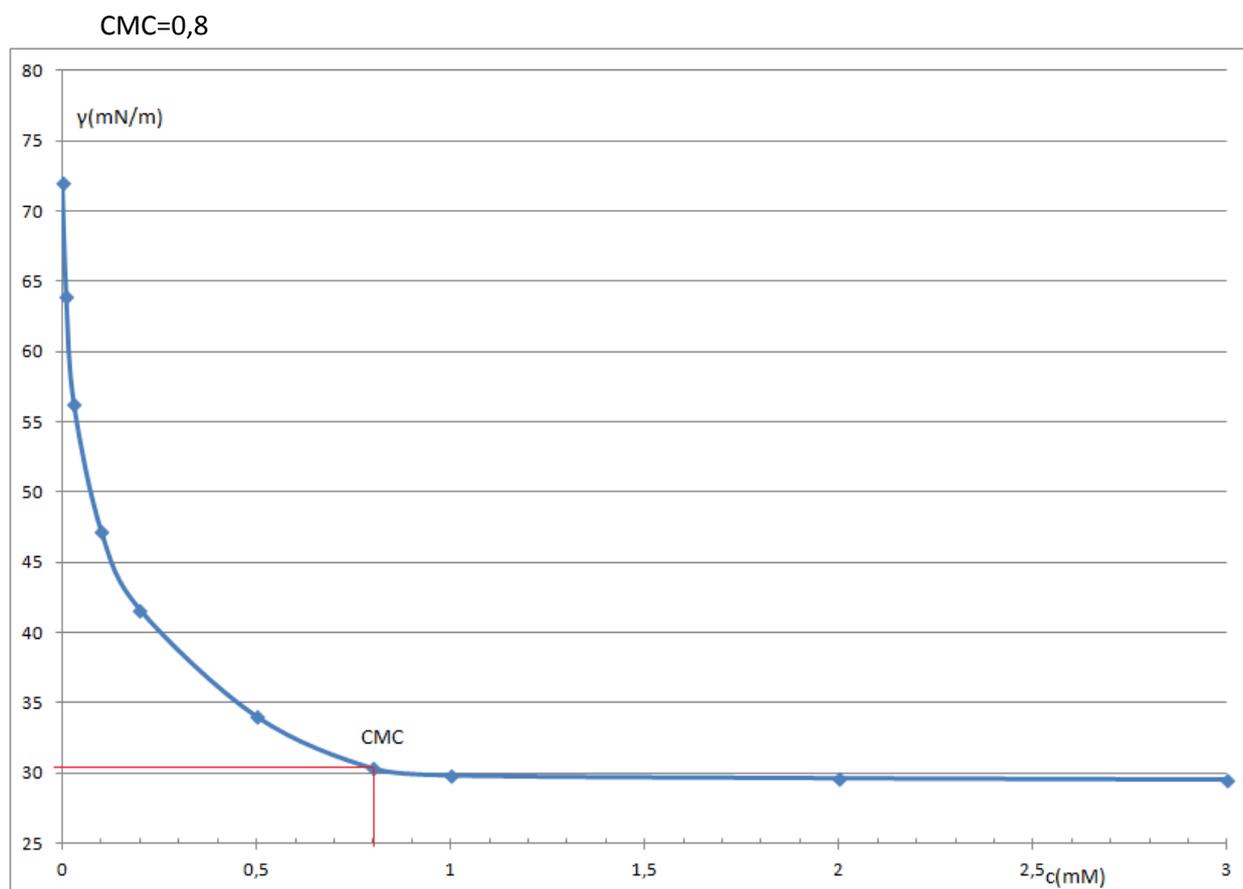


Question #58462, Chemistry

The following surface tension were measured for the aqueous solutions of the nonionic surfactant $\text{CH}_3(\text{CH}_2)_9(\text{OCH}_2\text{CH}_2)_5\text{OH}$ at 25°C.

C(mM)	γ (mN/m)
0	72
0,01	63,9
0,03	56,2
0,1	47,2
0,2	41,6
0,5	34
0,8	30,3
1	29,8
2	29,6
3	29,5

Determine the critical micelle concentration (cmc) and the area occupied by each surfactant molecule at the critical micelle concentration (cmc).



Answer provided by AssignmentExpert.com