(A) $T_{1(amb)} = 17,6°C$ $\quad m_{(amb)} = 80\ g$

$T_{2(cal)} = 78,2°C$ $\quad m_{(cal)} = 79\ g.$

$T_F = 46,6°C.$

$$\pi_0 = -80 + \frac{79(78,2 - 46,6)}{(46,6 - 17,6)}$$

$$= -80 + \frac{79\ (31,6)}{(29)}$$

$$= -80 + 86,08 \Rightarrow \boxed{\pi_0 = 6,08}$$

(B) $m_x = 79,95\ g$ ( masa hoja = 4,15 g, masa hoja + sustancia = 84,10 g )

$T_{1(amb)} = 20°C$ $\quad m_{(agua)} = 80\ g.$

$T_{2(sust\ x)} = 77,5$ $\quad T_f = 24,8.$

$$C_x = \frac{C(\pi + \pi)(T_F - T_A)}{m_x(T_2 - T_F)}$$

$$= \frac{1.(80 + 6,08)(24,8 - 20)}{79,95\ (77,5 - 24,8)}$$

$$= \frac{(86,08)\ (4,8)}{79,95\ (52,7)} = \frac{413,184}{4213,365} = 0,098$$

$\boxed{C_x = 0,098}$ cal/g°C

$C = C_x \pm \Delta C$

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