

$$CO_2 = \sum_{i=1}^{12} \left[\begin{aligned} & \left(PC \times MP \right) - \left(BSM \times \frac{MP}{1000} \right) - \left(\frac{BC}{100} \times PC \times MP \times \left(\frac{S_b + Ash_p + H_b}{100} \right) \right) \\ & - \left(\frac{100 - BC}{100} \times PC \times MP \times \frac{S_c + Ash_c}{100} \right) - (MP \times CP) \end{aligned} \right] \times 3.664$$