

Corrigendum

Corrigendum to “Denaturation Kinetics of Whey Protein Isolate Solutions and Fouling Mass Distribution in a Plate Heat Exchanger”

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In the paper titled “Denaturation Kinetics of Whey Protein Isolate Solutions and Fouling Mass Distribution in a Plate Heat Exchanger” [1], the authors found 2 errors:

- (i) Due to a data export error, 2 values were inverted in Table 3: at 120 ppm total calcium, the value of $E_{A,\text{unf}} = 271.2 \text{ kJ}\cdot\text{mol}^{-1}$ mentioned in the published paper was replaced by the correct $E_{A,\text{unf}} = 360.7 \text{ kJ}\cdot\text{mol}^{-1}$, and at 100 ppm total calcium, the value of $E_{A,\text{agg}} = 360.7 \text{ kJ}\cdot\text{mol}^{-1}$ mentioned in the published paper was replaced by the correct $E_{A,\text{agg}} = 271.2 \text{ kJ}\cdot\text{mol}^{-1}$.
- (ii) In Figure 6, the caption “Pictures of the deposit collected on heat exchanger surface in the second and last channels of the PHE” has been replaced by “Pictures of the deposit collected on heat exchanger surface in the first and last channels of the PHE.”

TABLE 3: Denaturation parameters at the two calcium concentrations.

| Denaturation parameter | 100 ppm total calcium | 120 ppm total calcium |
|--|-----------------------|-----------------------|
| Unfolding | | |
| $\ln(k_{\text{unf}}^{\circ})$ | 124.8 | 117.2 |
| $E_{A,\text{unf}}$ (kJ·mol ⁻¹) | 384.5 | 360.7 |
| Aggregation | | |
| $\ln(k_{\text{agg}}^{\circ})$ | 86.3 | 83.1 |
| $E_{A,\text{agg}}$ (kJ·mol ⁻¹) | 271.2 | 260.4 |

Table 3 and Figure 6 are corrected here.

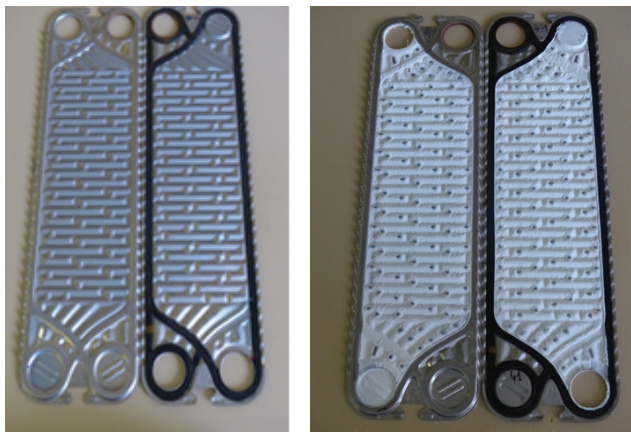


FIGURE 6: Pictures of the deposit collected on heat exchanger surface in the first and last channels of the PHE.

References

- [1] M. Khaldi, G. Ronse, C. André et al., "Denaturation kinetics of whey protein isolate solutions and fouling mass distribution in a plate heat exchanger," *International Journal of Chemical Engineering*, vol. 2015, Article ID 139638, 10 pages, 2015.



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