

















Supplementary Figures Caption

Figure A1. Prediction-reference plots using benchtop spectrophotometer. (A): PCT; (B): TRA.

Figure A2. Prediction-reference plots using handheld spectrophotometer. (A): PCT; (B): TRA.

Figure A3. Comparison of the first loading (dashes) and pure spectrum (red solid line) for PCT. (A) Handheld instrument; (B) Benchtop instrument. To facilitate the visual comparison, PCT spectrum has been multiply by a factor.

Figure A4. Comparison of pure spectrum (solid line) and significant loadings for TRA using (A) benchtop and (B) handheld instruments. Solid dark blue line: 2D TRA; Yellow long dash: Factor 1; Orange medium dash: Factor 2; Maroon short dash: Factor 3; Green medium medium: Factor 4; Gray dash dot: Factor 5. In both cases, to facilitate the visual comparison, TRA spectrum has been multiply by a factor.

Table A1. Correlation coefficients between the first loading for PCT determination, obtained from the selected individual PLS models, and the spectra of the API and a tablet.

	PCT-1st loading
FOSS (76% explained Y variance)	0.69
MicroNIR (95% explained Y variance)	0.68