**Quantitative analysis of amorphous form in indomethacin binary polymorphic mixtures using infrared spectroscopy analytical techniques combined with chemometrics methods**

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**SUPPLEMENTARY INFORMATION**

ATR-FTIR overlay spectra of 21 INDO solid mixture samples are showed in Fig. S1.

Calibration curves of ATR-FTIR combined with PLSR predicted content vs. reference content of A-INDO are given in Fig. S2.

Calibration curves of NIR combined with PLSR predicted content vs. reference content of A-INDO (2 cm-1) are presented in Fig. S3.

Calibration curves of NIR combined with PLSR predicted content vs. reference content of A-INDO (4 cm-1) are showed in Fig. S4.

Calibration curves of NIR combined with PLSR predicted content vs. reference content of A-INDO (8 cm-1) are showed in Fig. S5.



Fig. S1. ATR-FTIR overlay spectra of 21 INDO solid mixture samples. The Arabic numerals represented the mixture samples number.

  

 

 

 

  



Fig. S2. Calibration curve of reference value of A-INDO vs. predicted value of A-INDO.

 

 

 

 

 

 

 



Fig. S3. Calibration curve of reference value of A-INDO vs. predicted value of A-INDO (2 cm-1).

 

 

 

 

 

 

 



Fig. S4. Calibration curve of reference value of A-INDO vs. predicted value of A-INDO (4 cm-1).

 

 

 

 

 

 

 



Fig. S5. Calibration curve of reference value of A-INDO vs. predicted value of A-INDO (8 cm-1).