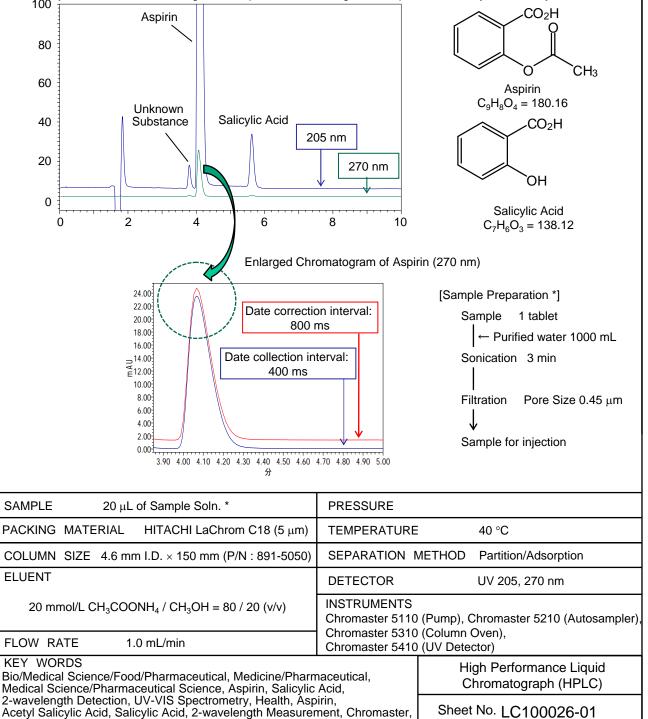
Analysis of Contaminants in Aspirin Tablet using 2-wavelength Measurement

The UV/UV-VIS detector of Chromaster allows the two-wavelength simultaneous analysis by real-time wavelength switching. An analysis example of the aspirin decomposition products is introduced here. In the US pharmacopoeia and Japanese pharmacopoeia (dissolution test), the analytical wavelength for aspirin is specified as 270 nm. However, by also including the measurement at the wavelength of 205 nm, the presence of decomposition product such as salicylic acid or additives can be confirmed.

Chromaster allows a short data loading time of 400 ms when switching the wavelength and thus, peaks can be accurately detected without missing the data points, contributing to the improved reliability of the analysis values.



LaChrom C18, Partition/Adsorption