

# SL CALIBRATION WIZARD

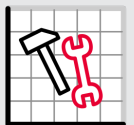
## Easy modeling for quantitative analysis



SL products  
for your workflow



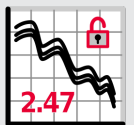
Data Acquisition



Data Management



Modeling



Routine Analysis

For very fast and easy creation of quantitative calibrations, methods and applications. With step-by-step operator guidance, parallel processing of up to 50 calibration models, and scalable automation capability, this package is the ideal tool for both beginners and experienced users.



## Main functions of SL Calibration Wizard

- 1 Versatile display of calibration and prediction results by:
  - Interactive 2D/3D scores plots and loadings graphs (Fig. 1)
  - Color differentiation of scores from calibration and test series, outliers as well as other spectra unused in calibration
  - Display of correlation coefficients for all wavelengths of a calibration model (Fig. 2)
  - Calculation and tabulation of all NIR key figures as proposed by P. Dardenne, NIR news, 21 (1), 2010, 8 - 14
- 2 Several transformations e. g.
  - Multiplicative Scatter Correction (MSC)
  - Savitzky-Golay smoothing and derivatives
- 3 Additional filing of final calibration series for postprocessing of respective calibration model
- 4 Easy operator guidance by clearly arranged user interfaces and informative charts and graphics

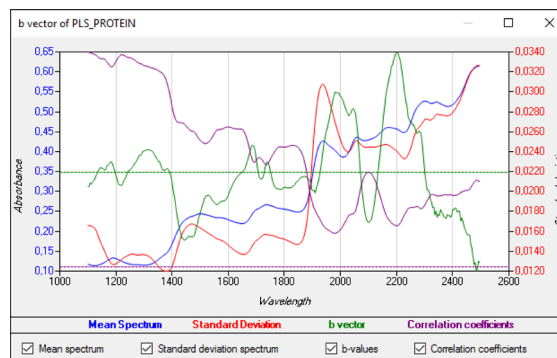


Fig. 2: SL Calibration Wizard, stage 6  
b-vector compared with mean, std. dev. and correlation spectra

SL Calibration Wizard, Schritt 6  
b-Vektor im Vergleich mit Mittelwert-, Std-Abw. und Korrelations-Spektren