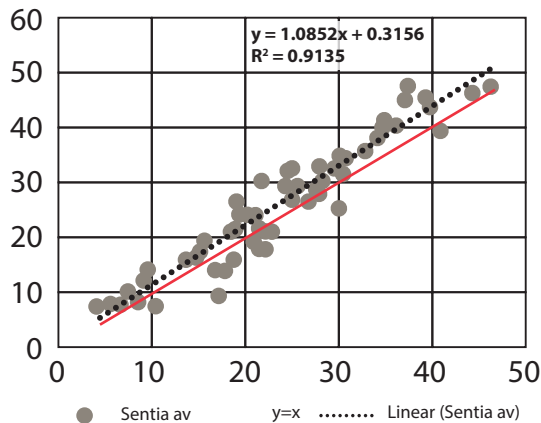




Dubernet Laboratories: A validation study

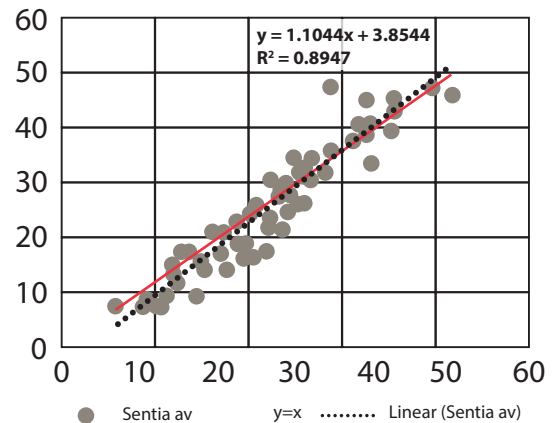
Results

Free SO₂: Comparison Sentia vs OIV reference (Franz Paul) Method



N = 60 samples of still white and red wines
 Mean deviation = 2.32 mg/L
 Standard deviation = 3.43 mg/L
 Z Score = 0.67

Free SO₂: Comparison Sentia vs Sequential (colorimetric) method



N = 60 samples of still white and red wines
 Mean deviation = -1.04 mg/L
 Standard deviation = 3.81 mg/L
 Z Score = -0.27

Additionally, the repeatability study performed by Dubernet Laboratories demonstrates a standard error of 1.63 mg/L.

Conclusion

“In view of the experiments conducted, the quality of the results of the determination of free SO₂ in wines by the SENTIA system seems to us to be very good. Very comparable to the OIV reference method, or to the usual ISO 17025 accredited method, the SENTIA system clearly shows an extremely interesting new way of analysis of free SO₂.”

Matthieu Dubernet, Technical Director at Dubernet Laboratories.