

Test certificate:  
S-A-LE 1340

# TEST CERTIFICATE

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S-A-LE



DORSHORST 2  
7217PH HARFSEN  
NETHERLANDS

INSTRUMENT: UV/VIS SPECTROPHOTOMETER  
ID NR.: 1340  
MODEL: CAMSPEC M501  
CAL. DATE: JANUARY 8, 2021

# UV/VIS SPECTROMETER

NR. 1340: CAMSPEC M501

## SPECIFICATIONS

Instrument	Range:	1100-200 nm
	Lamp:	Xenon lamp
	Voltage:	120 V/230V
	Accuracy:	± 0.005 nm after 1 hour warm up
Operation temperature		20°C ± 5°C
Calibration	Syrup:	Karvan Cévitam, raspberry
	Dilution with:	MilliQ
	Wavelength:	615 nm

## OBSERVATIONS

Calibration curve:

CONCENTRATION	MEASUREMENT 1	MEASUREMENT 2	MEAN VALUE
50,00%	0,897	0,894	0,8955
25,00%	0,441	0,453	0,447
12,50%	0,214	0,210	0,212
6,25%	0,103	0,097	0,100
3,125%	0,055	0,063	0,059
0%	0,000	0,000	0,000

Table 1: Observations of the six-point calibration curve

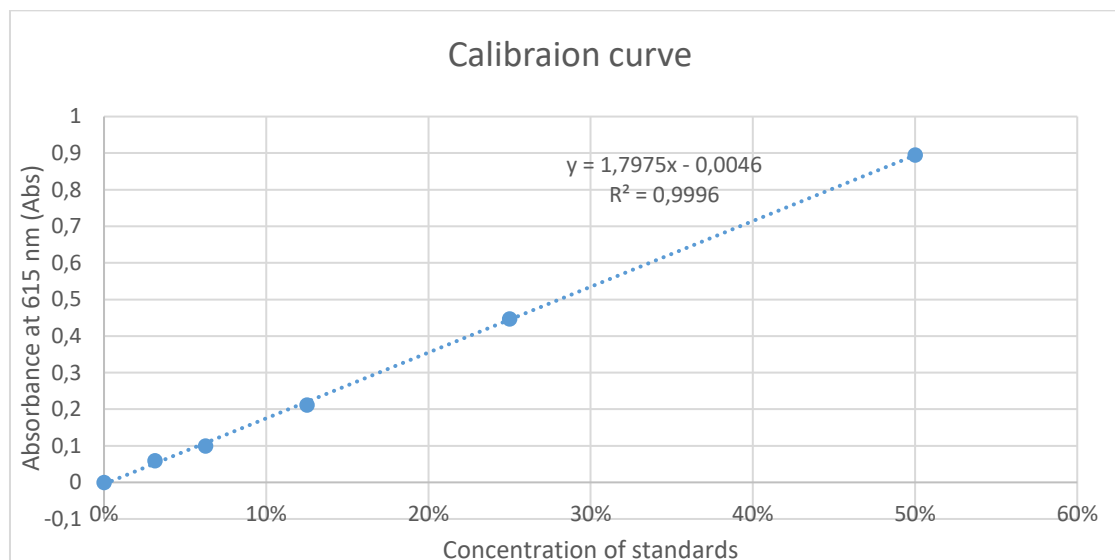


Figure 1: Chart of the six-point calibration curve

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**CONCLUSION**

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Calibration of the UV-VIS spectrophotometer with a six-point calibration curve resulted in a correlation of 0,9996. The acceptance criterion for the correlation coefficient is 0,999, therefore the instrument is in a good condition and ready for use.

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**AUTHORISATION: 08-01-2021**

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08-01-2021