

QQ Protocol



Company: Moscow State University of
Operator: Default
Instrument Type: Senterra Microscope 785 nm Grating 400
Optics Configuration: Microscope with: 785 nm, Grating 400, CCD
Accessory: None
Instrument Serial Number: Result
Instrument Firmware Version: Result
OPUS/DB Version: 20090227 / 6.5.9
Overall Test Result: PASS
Test expires: 2013/01/18 18:42:49
Test Date/Time: 2012/01/18 18:42:49
Test Spectra Path: C:\Program Files\OPUS_65\Validation\Data\20120118\184249
Comment:

Wavelength Accuracy Test

1. Peak specified:	391.5 cm ⁻¹	1. Peak measured:	391.4 cm ⁻¹
Max. Deviation Limit:	3.00 cm ⁻¹	Measured Deviation:	0.11 cm ⁻¹
2. Peak specified:	857.9 cm ⁻¹	2. Peak measured:	858.0 cm ⁻¹
Max. Deviation Limit:	3.00 cm ⁻¹	Measured Deviation:	0.07 cm ⁻¹
3. Peak specified:	1168.5 cm ⁻¹	3. Peak measured:	1168.7 cm ⁻¹
Max. Deviation Limit:	3.00 cm ⁻¹	Measured Deviation:	0.16 cm ⁻¹
4. Peak specified:	1323.9 cm ⁻¹	4. Peak measured:	1324.6 cm ⁻¹
Max. Deviation Limit:	3.00 cm ⁻¹	Measured Deviation:	0.69 cm ⁻¹
5. Peak specified:	1648.4 cm ⁻¹	5. Peak measured:	1648.7 cm ⁻¹
Max. Deviation Limit:	3.00 cm ⁻¹	Measured Deviation:	0.26 cm ⁻¹
6. Peak specified:	2931.1 cm ⁻¹	6. Peak measured:	---
Max. Deviation Limit:	3.00 cm ⁻¹	Measured Deviation:	---

Throughput Test

Throughput minimum requirement: 3700 Throughput measured: 7373

Photometric Consistency Test

1. Peak specified:	620.9 cm ⁻¹	1. Peak measured:	620.6 cm ⁻¹
Max. Deviation Limit:	10.000 %	Measured Deviation:	2.218 %
2. Peak specified:	1001.4 cm ⁻¹	2. Peak measured:	1001.1 cm ⁻¹
Max. Deviation Limit:	10.000 %	Measured Deviation:	0.000 %
3. Peak specified:	1602.3 cm ⁻¹	3. Peak measured:	1602.1 cm ⁻¹
Max. Deviation Limit:	10.000 %	Measured Deviation:	4.884 %
4. Peak specified:	Not determined.	4. Peak measured:	Not determined.
Max. Deviation Limit:	---	Measured Deviation:	---
5. Peak specified:	Not determined.	5. Peak measured:	Not determined.
Max. Deviation Limit:	---	Measured Deviation:	---

Dark Noise Test



Dark Noise Limit:

100

Dark Noise measured:

15

Overall Test Result = PASS



Date and Signature

Date and Signature