PQ Protocol



Company: Moscow State University of

Operator: Default

Instrument Type: Senterra Microscope 532 nm Grating 400
Optics Configuration: Microscope with: 532 nm, Grating 400, CCD

Accessory: None
Instrument Serial Number: Result
Instrument Firmw are Version: Result

OPUS/DB Version: 20090227 / 6.5.9

Overall Test Result PASS

Test expires: 2013/01/18 19:23:42
Test Date/Time: 2012/01/18 19:23:42

Test Spectra Path: C:\Program Files\OPUS_65\Validation\Data\20120118\192342

Comment:

Wavelength Accuracy Test

1. Peak specified:	391.5 cm -1	1. Peak measured:	391.7 cm -1
Max. Deviation Limit:	3.00 cm-1	Measured Deviation:	0.19 cm -1
2. Peak specified:	857.9 cm -1	2. Peak measured:	858.2 cm -1
Max. Deviation Limit:	3.00 cm-1	Measured Deviation:	0.27 cm -1
3. Peak specified:	1168.5 cm-1	3. Peak measured:	1168.8 cm-1
Max. Deviation Limit:	3.00 cm-1	Measured Deviation:	0.26 cm -1
4. Peak specified:	1323.9 cm-1	4. Peak measured:	1325.0 cm -1
Max. Deviation Limit:	3.00 cm-1	Measured Deviation:	1.07 cm -1
5. Peak specified:	1648.4 cm -1	5. Peak measured:	1649.5 cm -1
Max. Deviation Limit:	3.00 cm-1	Measured Deviation:	1.13 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: 6000 Throughput measured: 29232

Photometric Consistency Test

1. Peak specified:	620.9 cm -1	1. Peak measured:	620.3 cm -1
Max. Deviation Limit:	10.000 %	Measured Deviation:	2.341 %
2. Peak specified:	1001.4 cm-1	2. Peak measured:	1000.8 cm-1
Max. Deviation Limit:	10.000 %	Measured Deviation:	0.000 %
3. Peak specified:	1602.3 cm-1	3. Peak measured:	1601.8 cm-1
Max. Deviation Limit:	10.000 %	Measured Deviation:	3.738 %
4. Peak specified:	2904.5 cm-1	4. Peak measured:	2906.0 cm-1
Max. Deviation Limit:	10.000 %	Measured Deviation:	1.546 %
5. Peak specified:	3054.3 cm-1	5. Peak measured:	3055.8 cm-1
Max. Deviation Limit:	10.000 %	Measured Deviation:	2.459 %

Overall Test Result = PASS



Date and Signature

Date and Signature

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