

CI LTD.
QUALITY ASSURANCE DEPT.



CERTIFICATE OF COMPLIANCE

CERTIFICATE NO. 21020/1

CATALOG NO. A210201000

TO: HANBAT NATIONAL UNIVERSITY

PURCHASE ORDER: SM-230134

PRODUCT: NON CONTINUOUS CVF SEG.
2,4 MAIN ASSY - X2

SERIAL No: _____

SHIPPING DATE _____ **AMOUNT SHIPPED** _____

THIS IS TO CERTIFY THAT THE MATERIAL SHIPPED ON THE ABOVE PURCHASE ORDER WAS MADE IN ACCORDANCE WITH THE LISTED DRAWING (S) AND SPECIFICATION (S) AND HAS BEEN INSPECTED AND CALIBRATED IN ACCORDANCE WITH THE CONDITIONS AND REQUIREMENTS OF THE ORDER

NOTES: _____

AUTHORIZED SIGNATURE
QUALITY ASSURANCE MANAGER

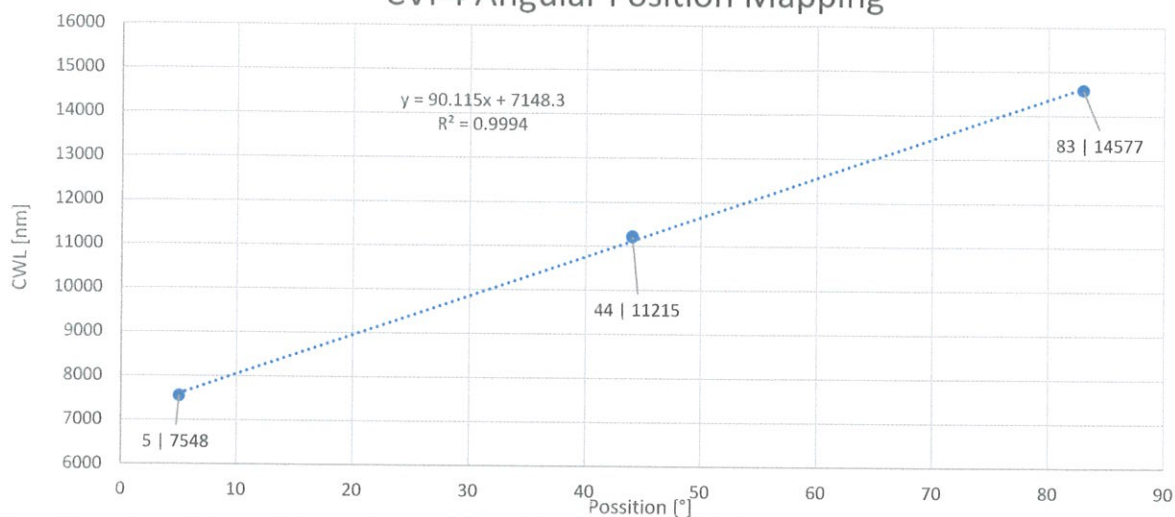
DATE _____

6020220

Date: 19/10/2022
 CVF4 segment
 Filter ID: Part 1B
 Run numbers: 84663_84852_84976



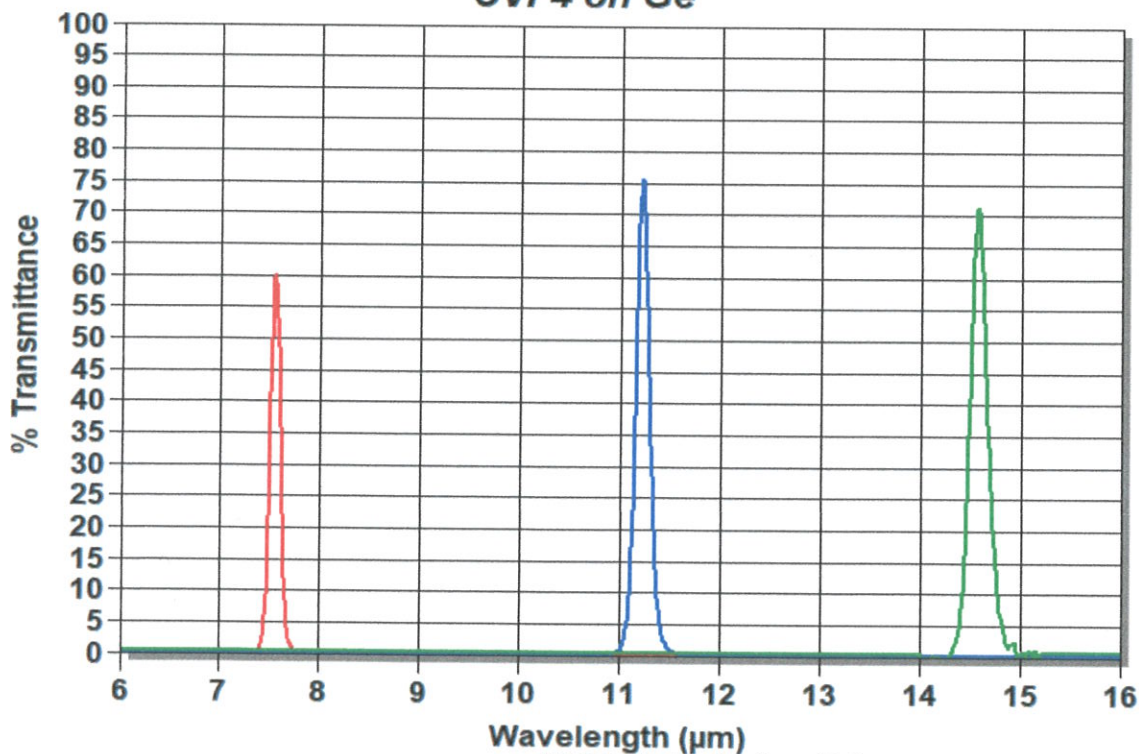
CVF4 Angular Position Mapping



Angle Position [°]	5	44	83
Centre [nm]	7548	11215	14577
Peak Transmission [%]	60.3	75.7	71.5
Half Band Width [%]	1.6	1.4	1.3

Degrees	Criteria	WL (nm)	Result
5°	7700≥	7548	Pass
83°	14300≤	14577	Pass

CVF4 on Ge

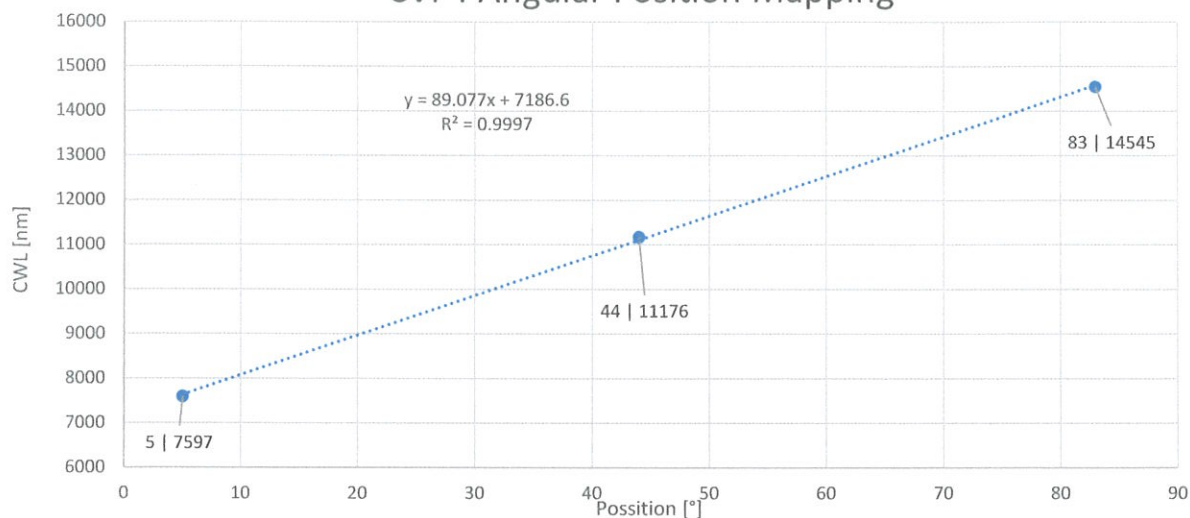


Umicore Coating Services, Optics
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 Registered office - Kinnoull Street, Dundee, DD2 3ED, Registration No. 118425

0 739 15

Date: 19/10/2022
 CVF4 segment
 Filter ID: Part 5A
 Run numbers: 84724_84889_85046

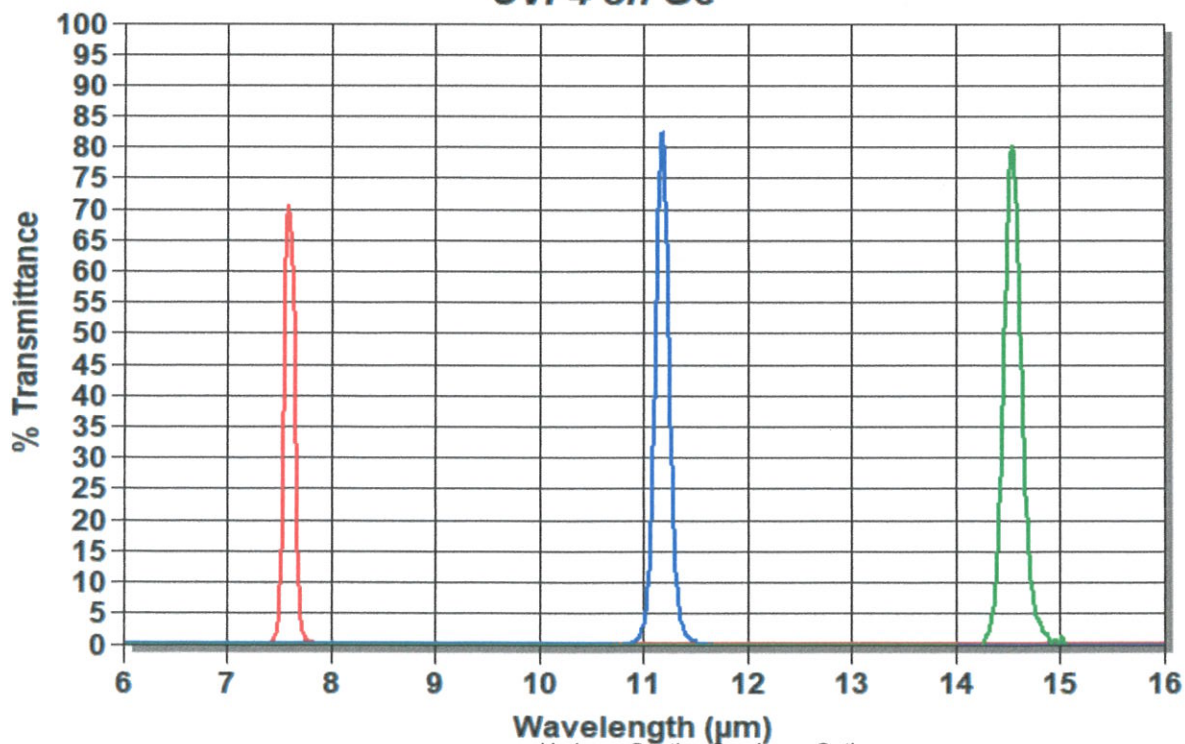
CVF4 Angular Position Mapping



Angle Position [°]	5	44	83
Centre [nm]	7597	11176	14545
Peak Transmission [%]	70.8	83.1	80.7
Half Band Width [%]	1.6	1.3	1.3

Degrees	Criteria	WL (nm)	Result
5°	7700≥	7597	Pass
83°	14300≤	14545	Pass

CVF4 on Ge



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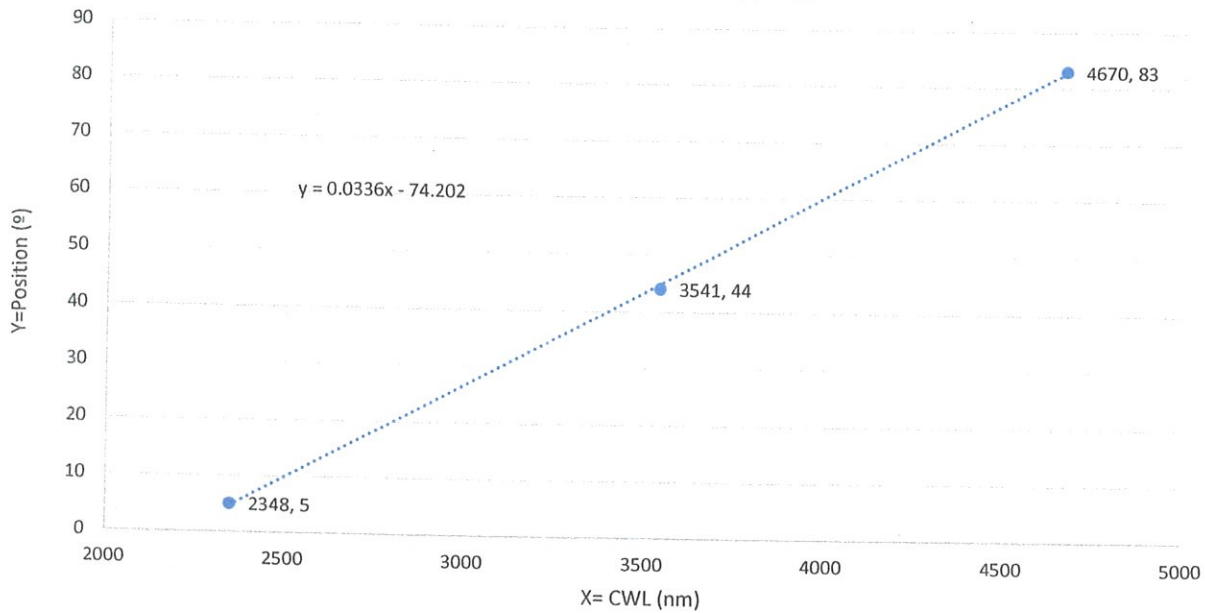
Date: 10/11/2020

CVF segment 2

Filter ID: Part 1B- Run nos 74652 + 74824

023439

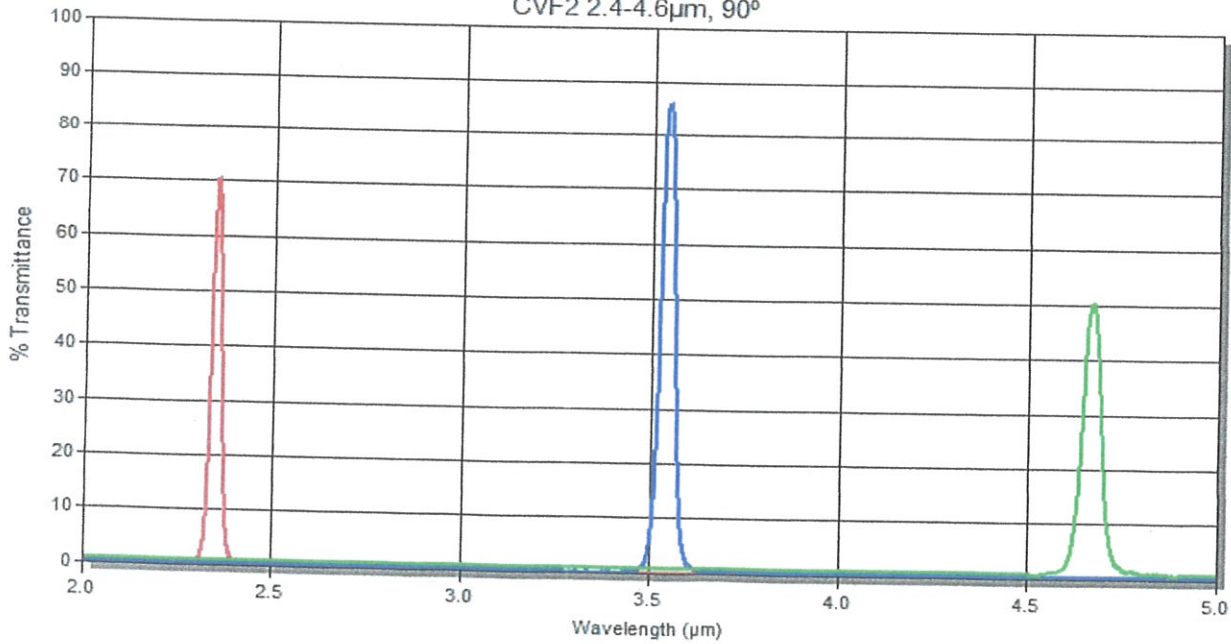
CVF2 Angular Position Mapping



Angle Position (°)	5	44	83
Centre nm	2348	3541	4670
Peak T %	70.3	86.0	50.4
HBW %	1.3	1.2	1.2

Degrees	Criteria	WL (nm)	Result
5°	2400≥	2348	Pass
83°	4600≤	4670	Pass

CVF2 2.4-4.6μm, 90°

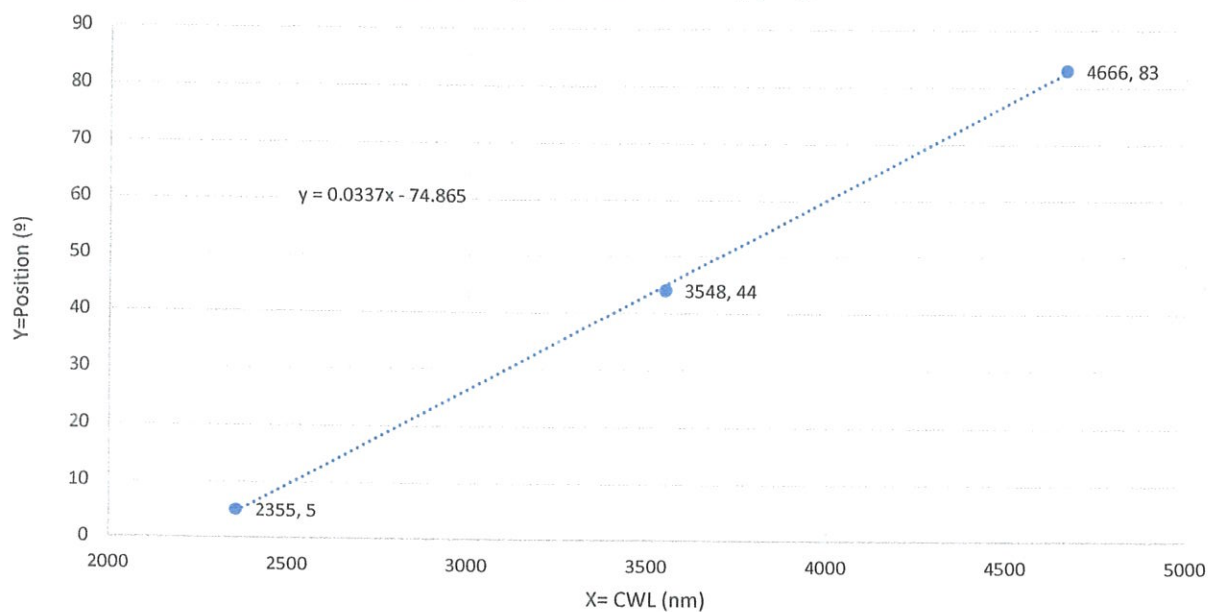


Date: 10/11/2020

CVF segment 2

Filter ID: Part 6A- Run nos 74314 + 74799

CVF2 Angular Position Mapping



Angle Position (°)		5	44	83
Centre	nm	2355	3548	4666
Peak T	%	71.9	83.3	55.5
HBW	%	1.3	1.2	1.2

Degrees	Criteria	WL (nm)	Result
5°	2400≥	2355	Pass
83°	4600≤	4666	Pass

