

Asbestos - By TEM - Tissue Fiber Burden

Customer: ERI Consulting
EBET Order #: 3883714
Sample #: 2411120C
Prep: F1

Filter Type: PC
Filter Pore Size: 0.2µm
Voltage: 100kv

Results Summary

High Magnification Scan at 15,000X

G.O.'s Analyzed: 30

<u>Total Asbestos Structures*:</u>	0	<u>Total Ferruginous Bodies:</u>	0
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Low Magnification Scan at 2,000X

G.O.'s Scanned: 60

<u>Total Asbestos Structures*:</u>	1	<u>Total Ferruginous Bodies:</u>	0
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Anthophyllite	1
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William Colbert Analyst

17-Dec-2024

Date

* Asbestos Structures include a count of BOTH Ferruginous and Non-Ferruginous Bodies.

Asbestos - By TEM - Tissue Fiber Burden

LAB WORKSHEET

Customer: ERI Consulting

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Sample Number: 2411120C

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High Magnification Scan at 15,000X

Grid	G.O. #	Non-Asbestos	Asbestos Tally	L x W (μm)	TYPE	Images			Comments
						EDS	Morphology	SAED	
A									
	1		NSD						
	2		NSD						
	3		NSD						
	4		NSD						
	5		NSD						
	6		NSD						
	7		NSD						
	8		NSD						
	9		NSD						
	10		NSD						
B									
	11		NSD						
	12	✓	NA	11 x 0.10	Talc	Yes	04	05	Transitional
	13		NSD						
	14		NSD						
	15		NSD						
	16		NSD						
	17		NSD						
	18		NSD						
	19		NSD						
	20		NSD						
C									
	21		NSD						
	22		NSD						
	23		NSD						
	24		NSD						
	25		NSD						
	26		NSD						
	27		NSD						
	28		NSD						
	29		NSD						
	30		NSD						

Analyst: William Colbert

17-Dec-2024

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Customer: ERI Consulting

Order #: 3883714

Sample Number: 2411120C

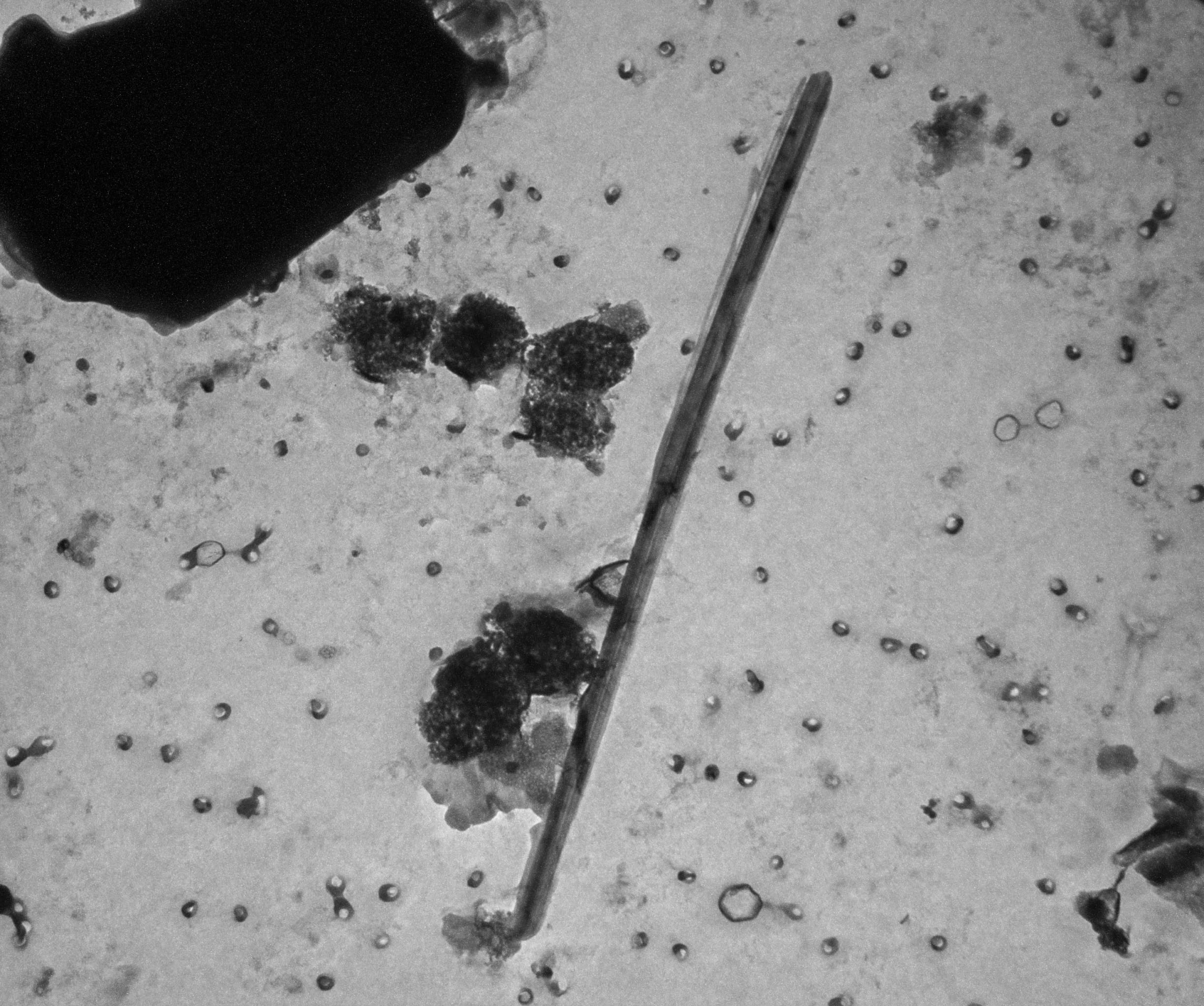
Prep: F1

[illegible]

Analyst: William Colbert

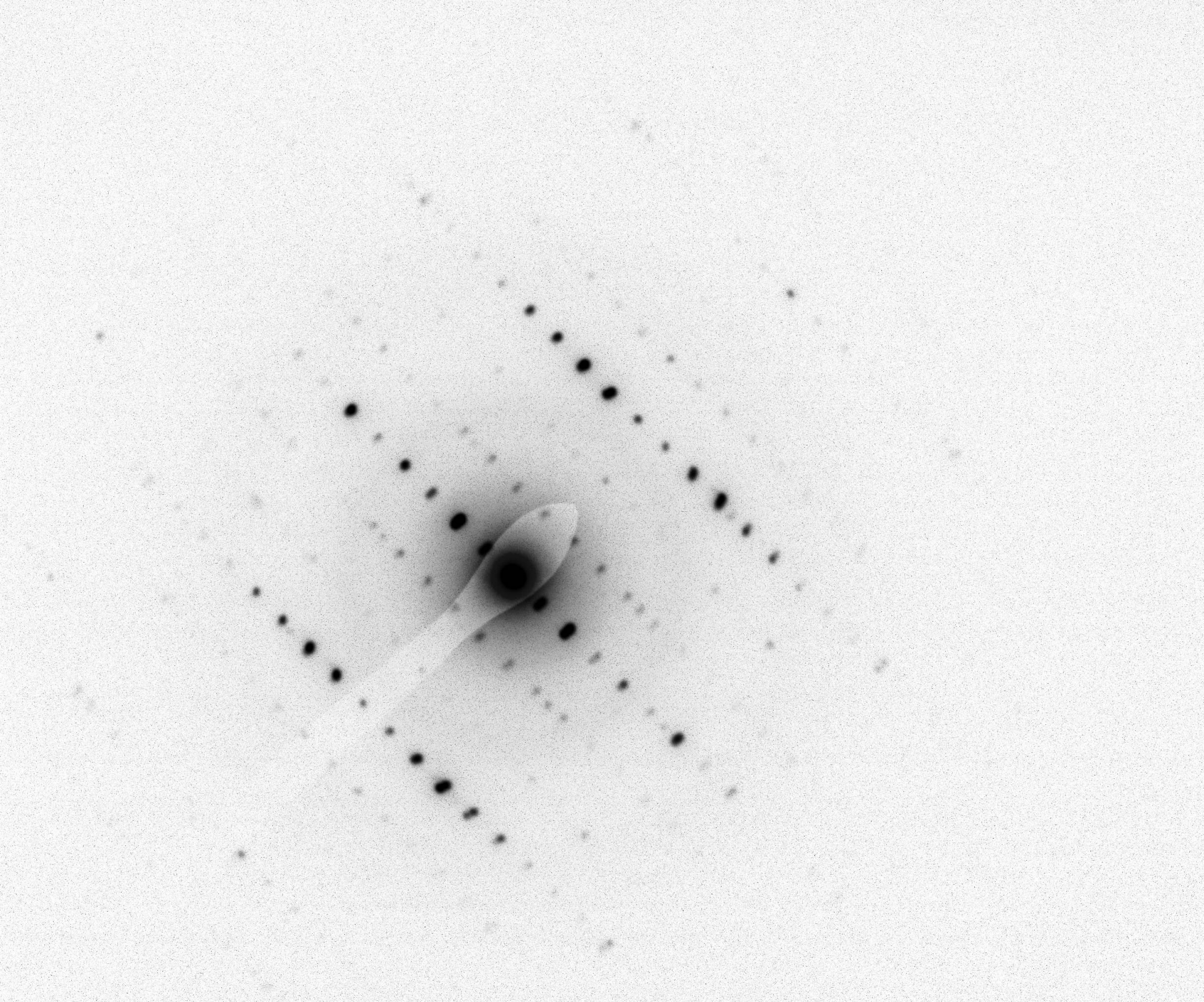
17-Dec-2024

Date _____



2411120C_001.tif
Anthophyllite
Grid A - Low Mag Scan

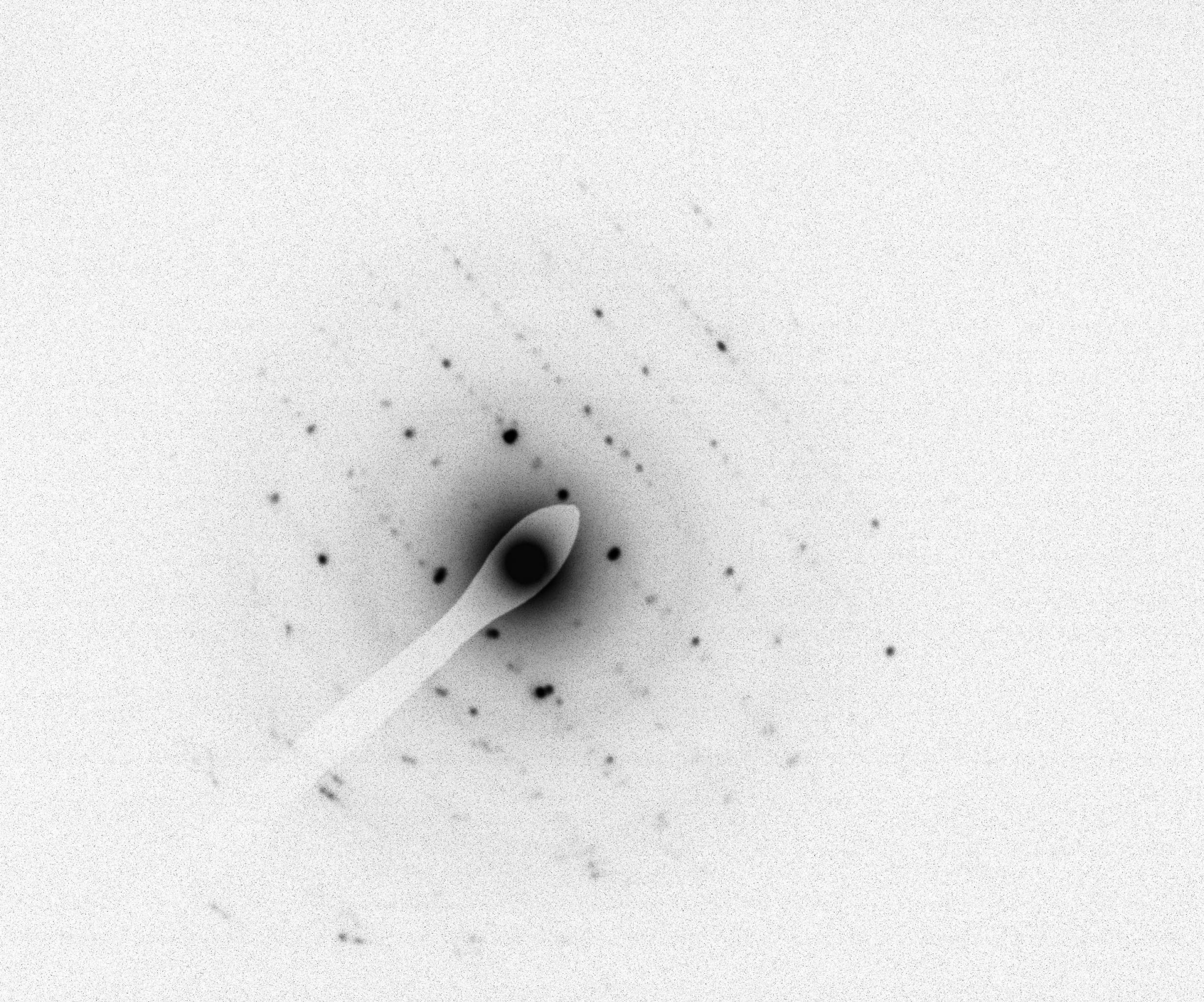
HV=100kV
Direct Mag: 12000 x
J3 Resources, Inc.



2411120C_002.tif
Anthophyllite - SAED
Grid A - Low Mag Scan

This is a Selected Area Electron Diffraction (SAED) pattern of Anthophyllite. The image shows a central bright spot surrounded by a series of smaller, fainter spots arranged in a hexagonal pattern. The spots are more distinct and brighter along the horizontal and vertical axes, with some spots appearing as pairs. The overall background is a light gray with a fine, grainy texture.

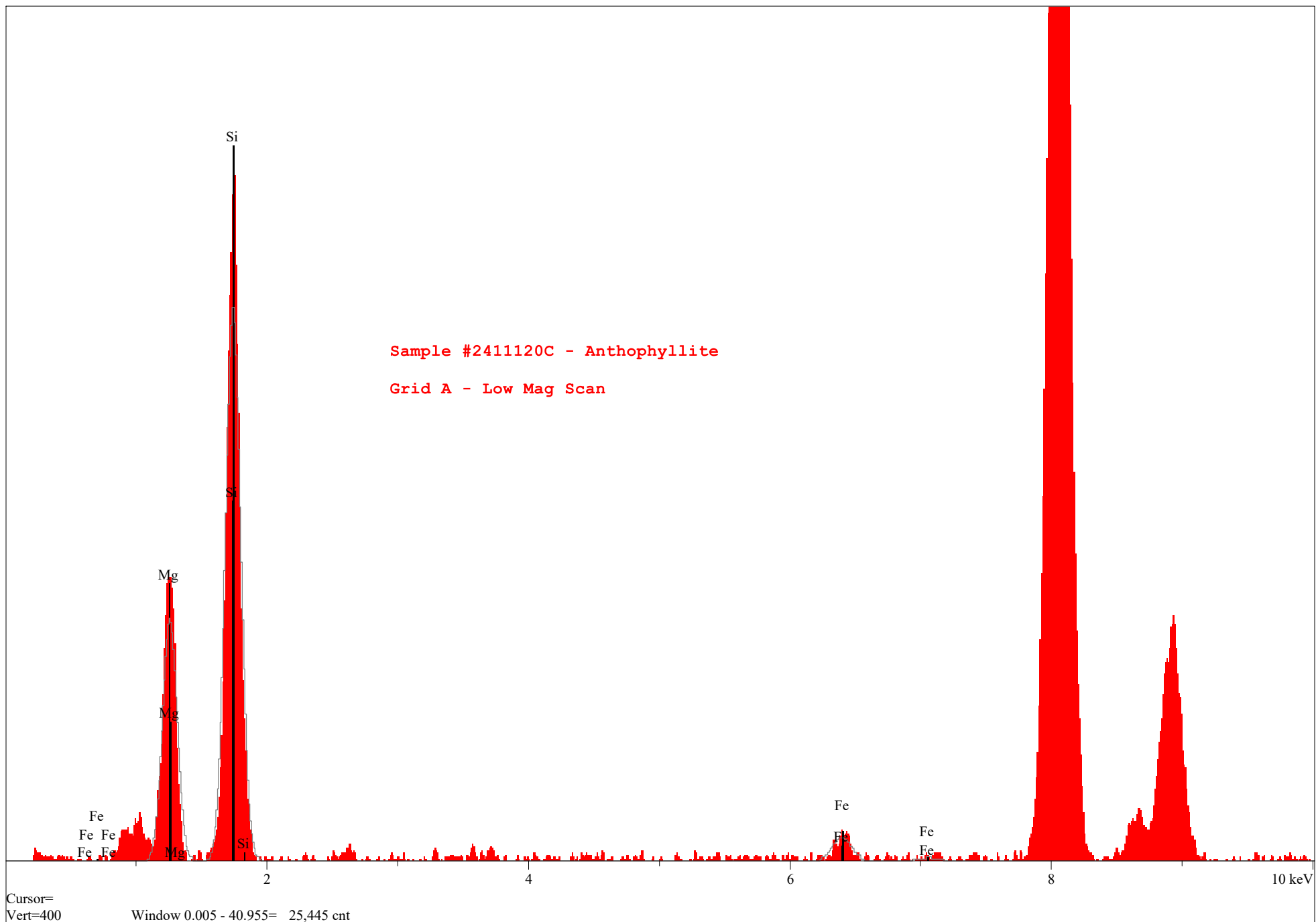
HV=100kV
Cam Len: 1.0000 m
J3 Resources, Inc.

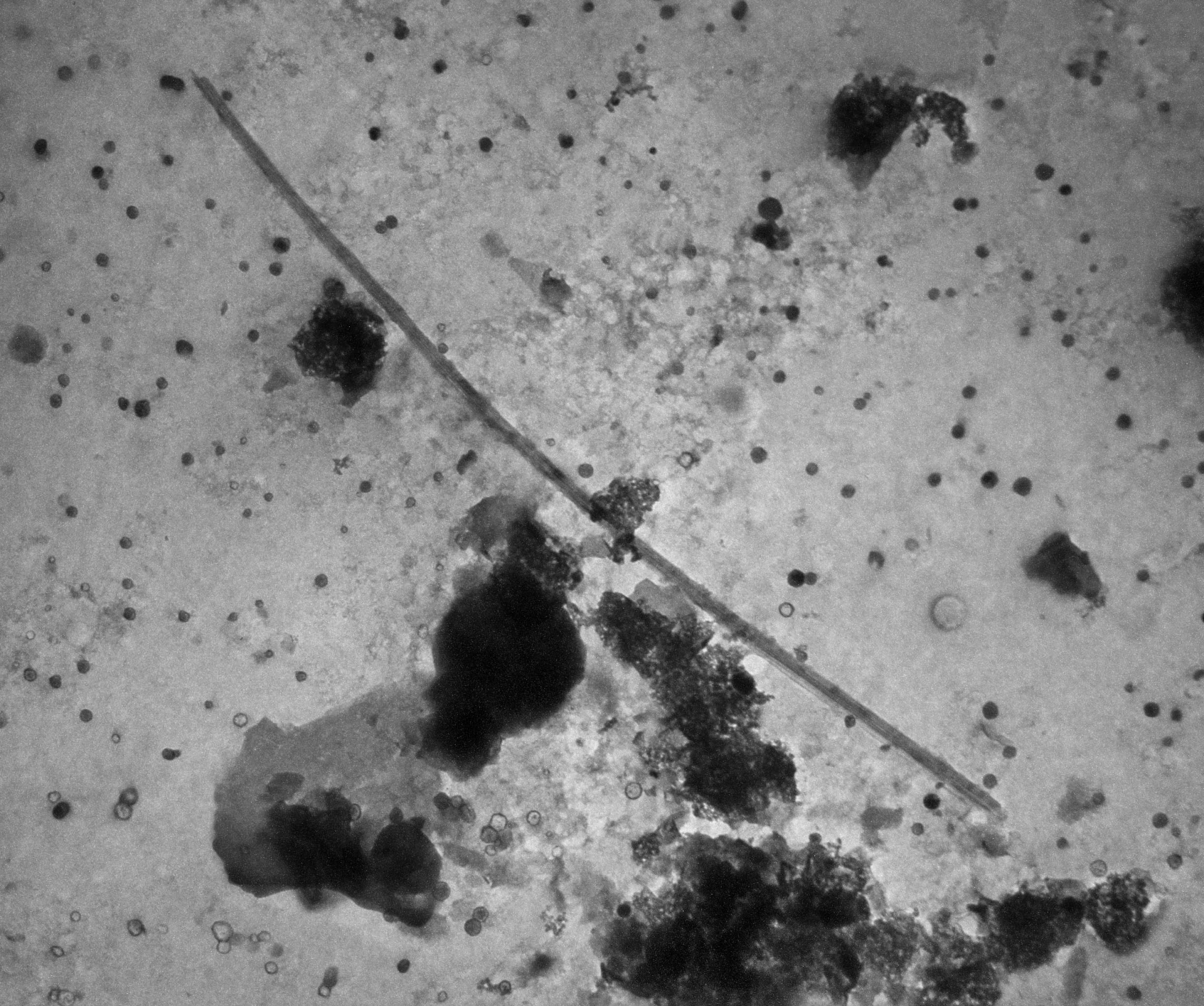


2411120C_003.tif
Anthophyllite - SAED
Grid A - Low Mag Scan

This is a Selected Area Electron Diffraction (SAED) pattern of Anthophyllite. The image shows a central bright spot surrounded by a series of smaller, fainter spots arranged in a hexagonal pattern. The spots are slightly blurred, indicating a low magnification scan. The background is a uniform light gray.

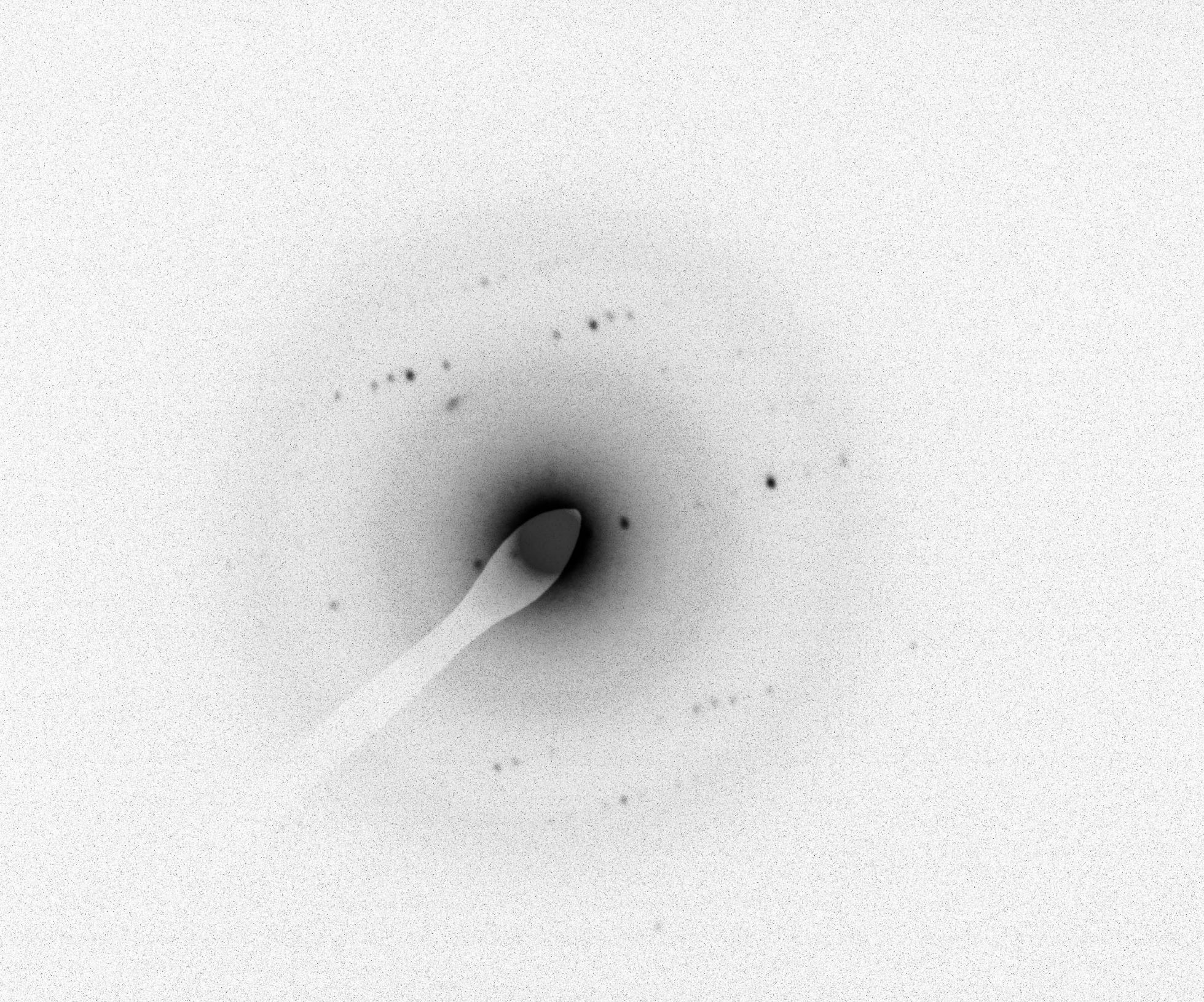
HV=100kV
Cam Len: 1.0000 m
J3 Resources, Inc.





2411120C_004.tif
Talc - Transitional
GO - B12

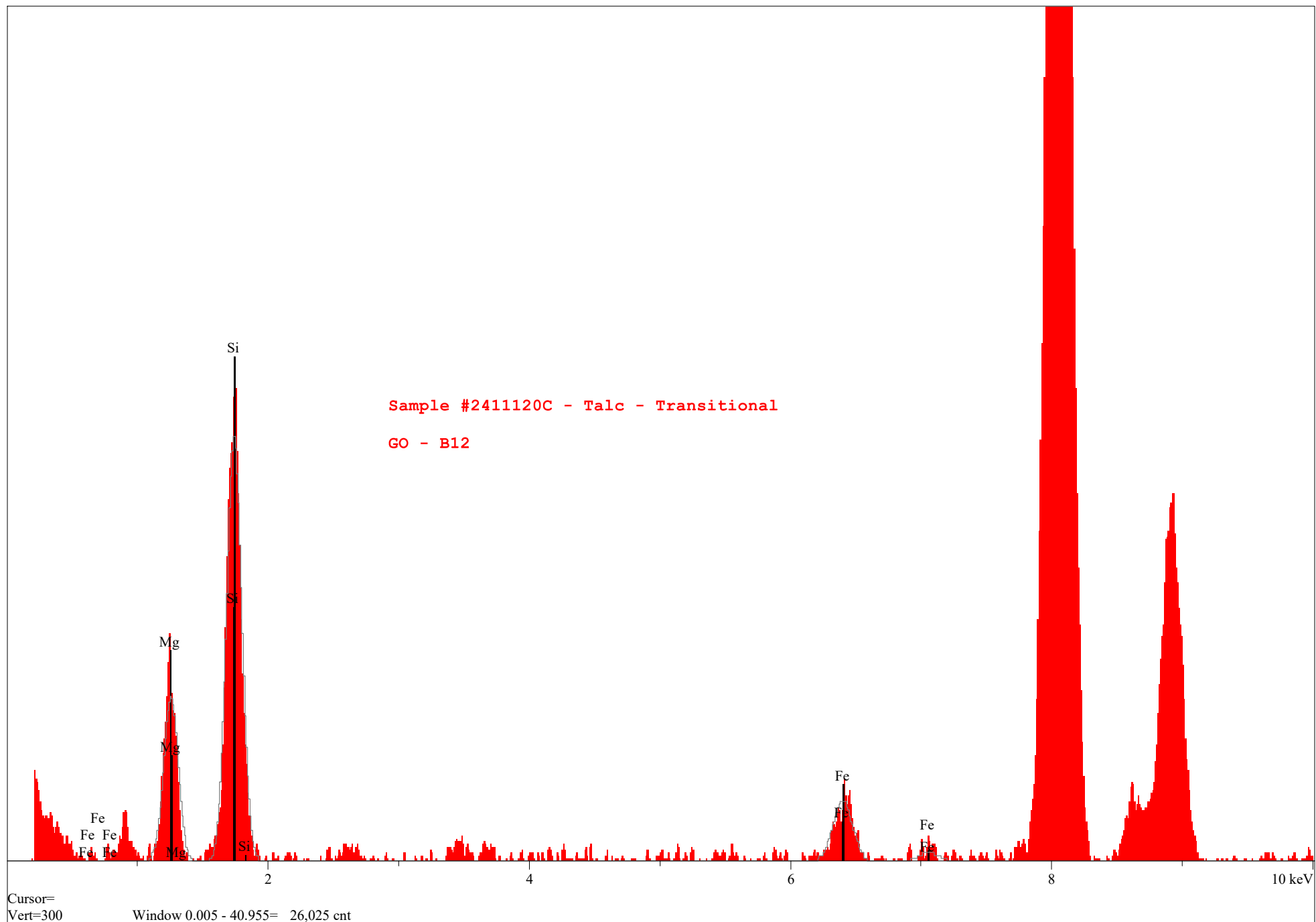
HV=100kV
Direct Mag: 10000 x
J3 Resources, Inc.

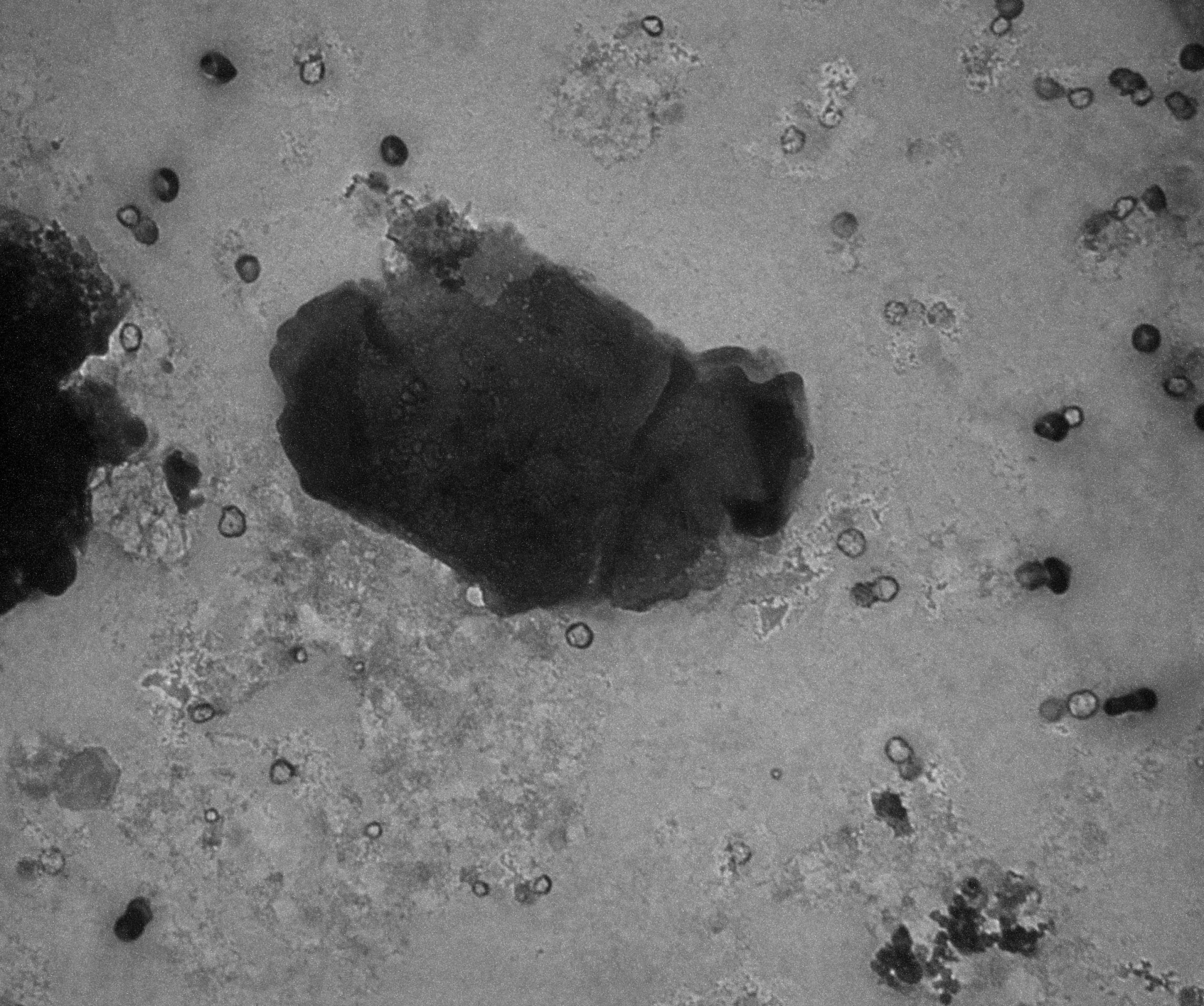


A Selected Area Electron Diffraction (SAED) pattern showing a central bright spot and several surrounding diffraction spots. The spots are arranged in a pattern characteristic of a layered silicate structure. The background is dark, and the spots are bright white.

2411120C_005.tif
Talc - Transitional - SAED
GO - B12

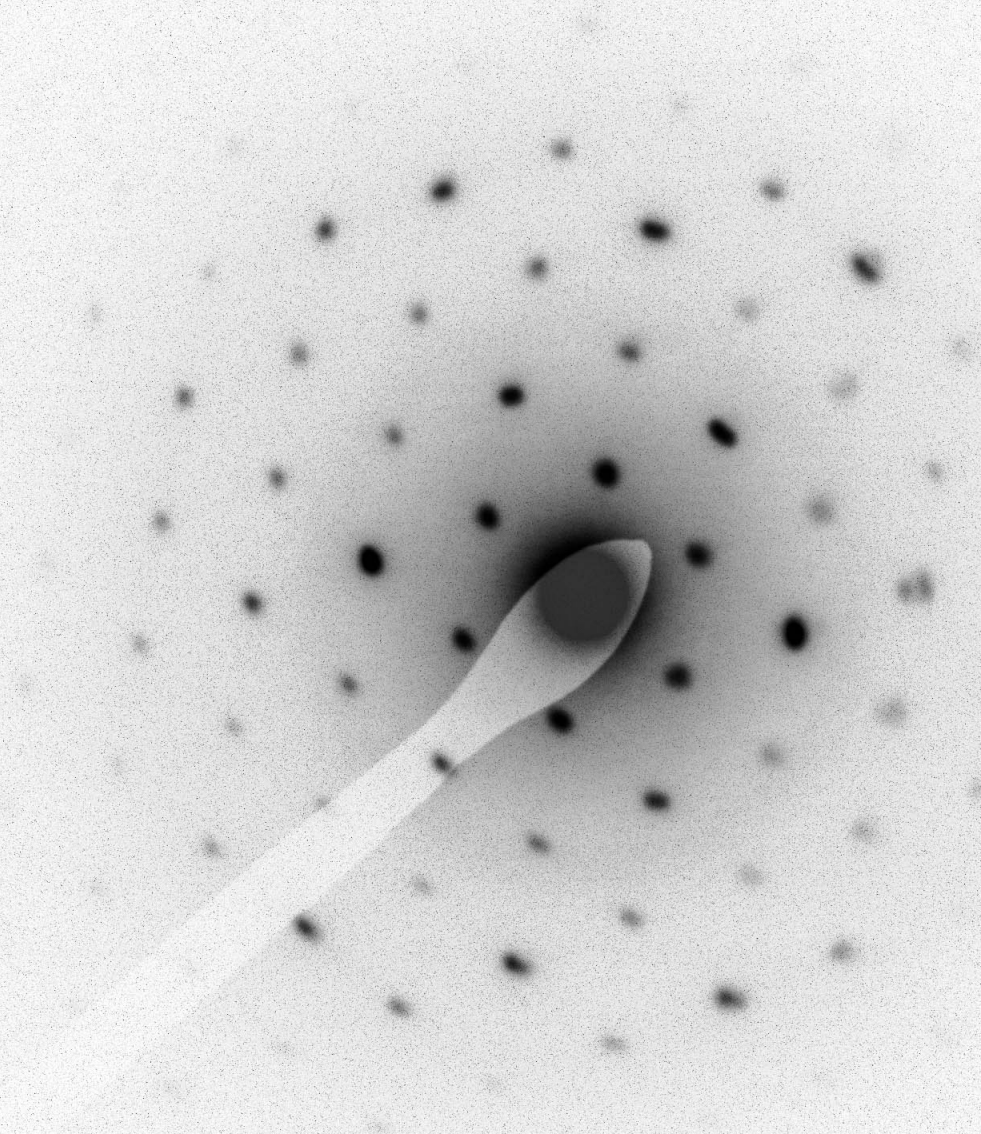
HV=100kV
Cam Len: 1.0000 m
J3 Resources, Inc.





2411120C_006.tif
Aluminum Silicate
Grid C - Low Mag Scan

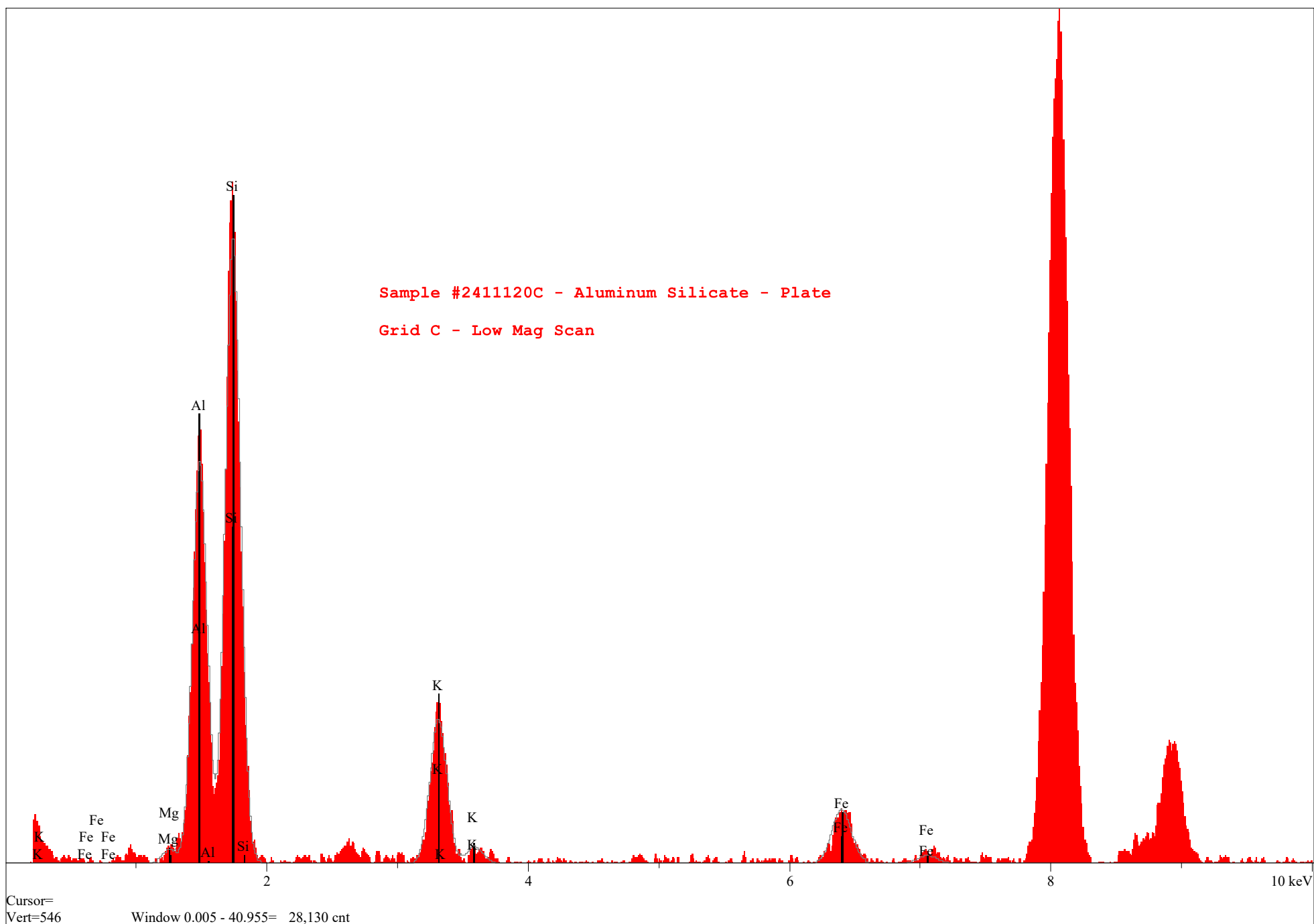
HV=100kV
Direct Mag: 20000 x
J3 Resources, Inc.

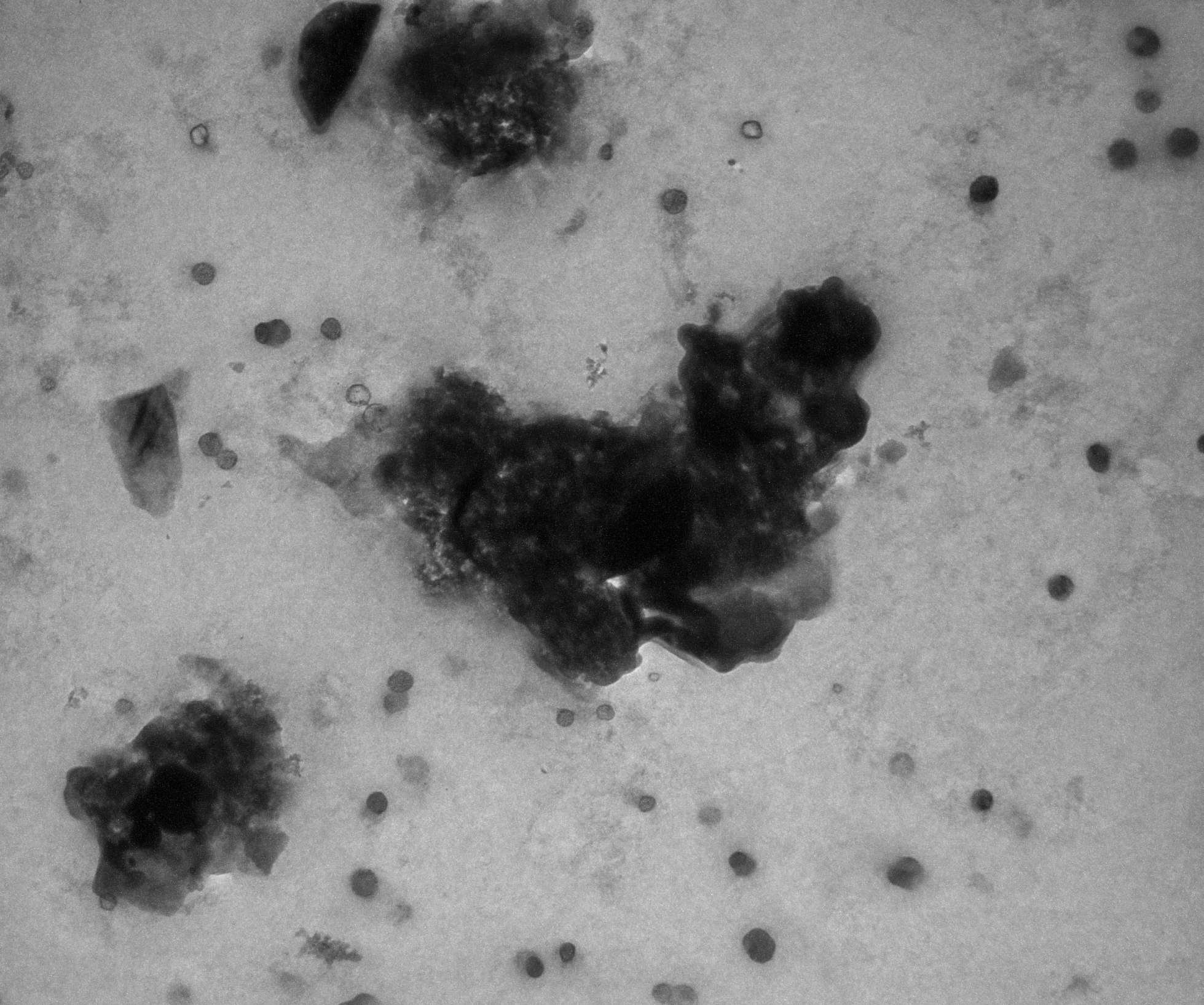


A Selected Area Electron Diffraction (SAED) pattern of Aluminum Silicate. The image shows a central bright spot surrounded by a grid of smaller, dimmer spots, indicating a crystalline structure. The spots are arranged in a roughly hexagonal pattern, with some spots being more prominent than others. The background is a light gray, and the spots are dark gray or black.

2411120C_007.tif
Aluminum Silicate - SAED
Grid C - Low Mag Scan

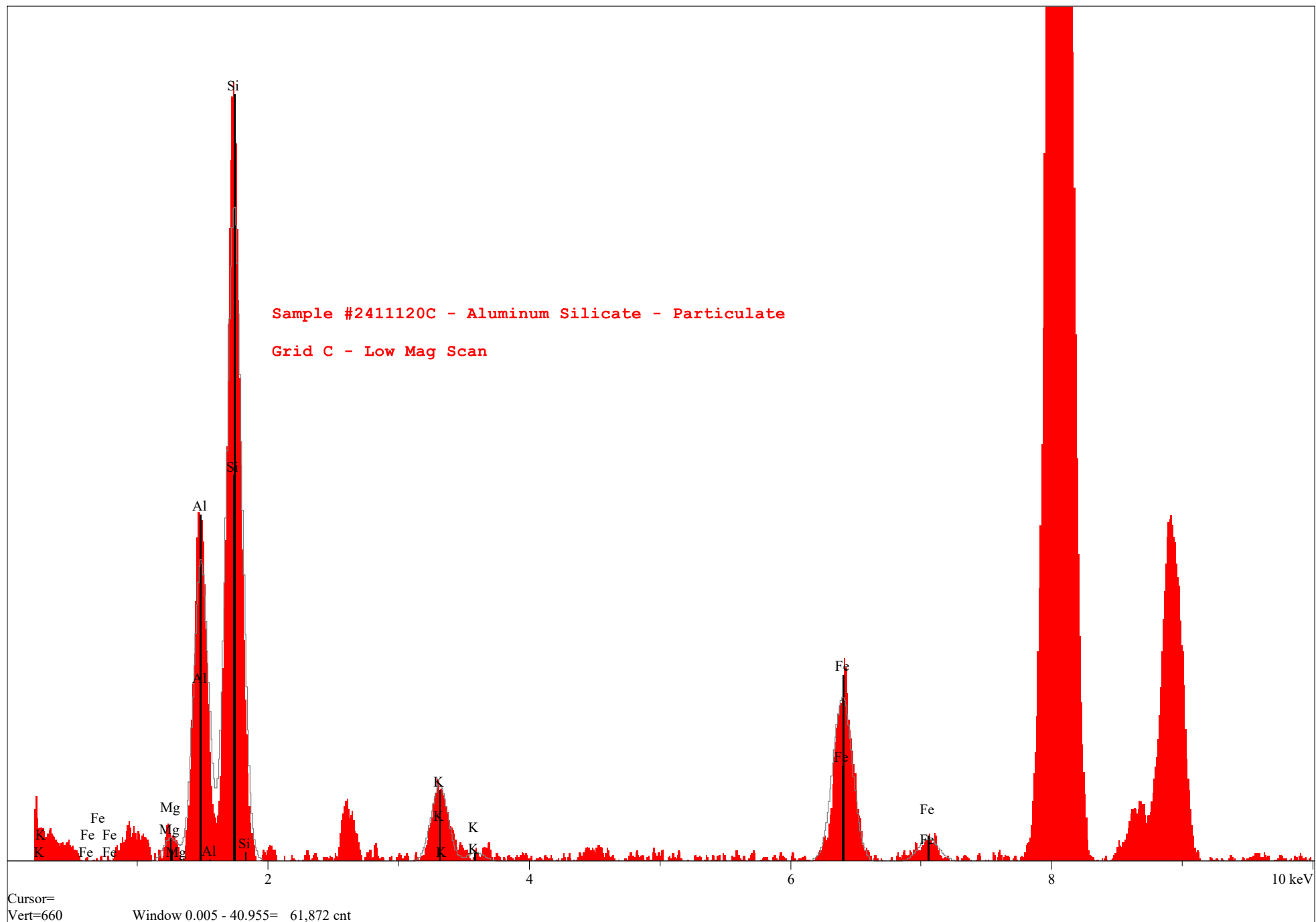
HV=100kV
Cam Len: 1.0000 m
J3 Resources, Inc.

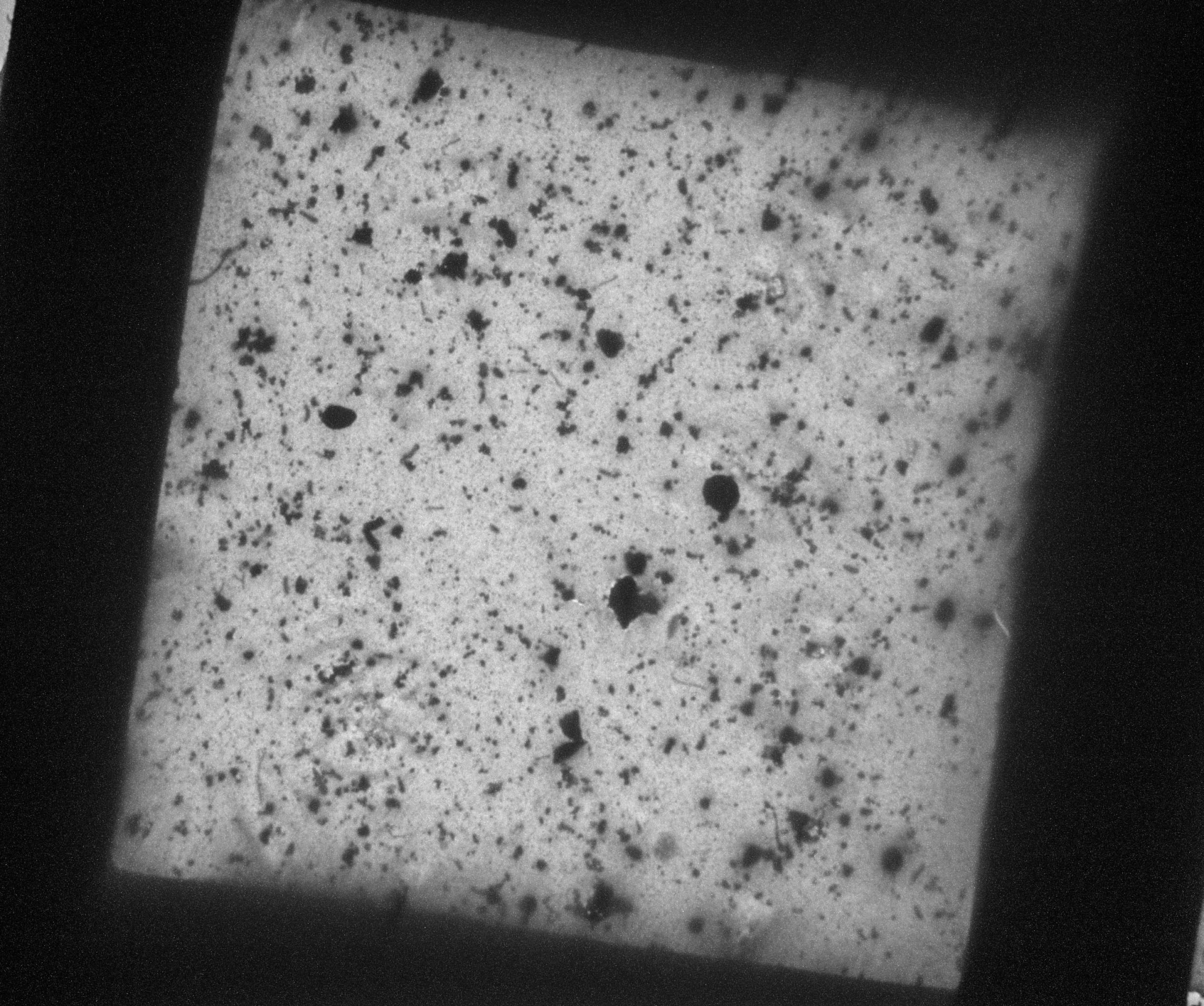




2411120C_008.tif
Aluminum Silicate - Particulate
Grid C - Low Mag Scan

HV=100kV
Direct Mag: 20000 x
J3 Resources, Inc.





2411120C_009.tif
Average Grid Loading

HV=100kV
Direct Mag: 400 x
J3 Resources, Inc.

FIBER BURDEN GRID MAP

Customer: ERI Consulting

Sample ID: 2411120C

Prep: F1

Date: 17-Dec-2024

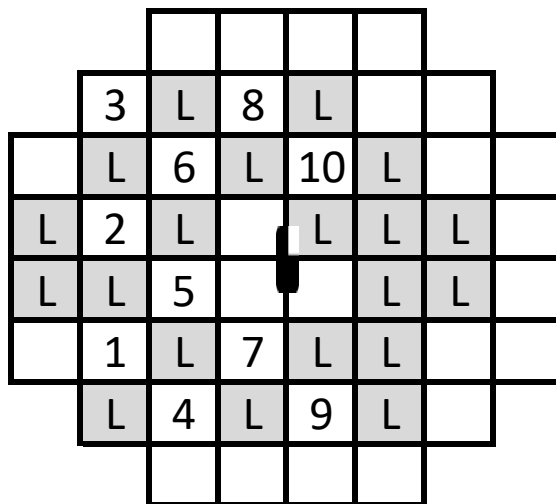
Analyst: William Colbert

GO Measurements

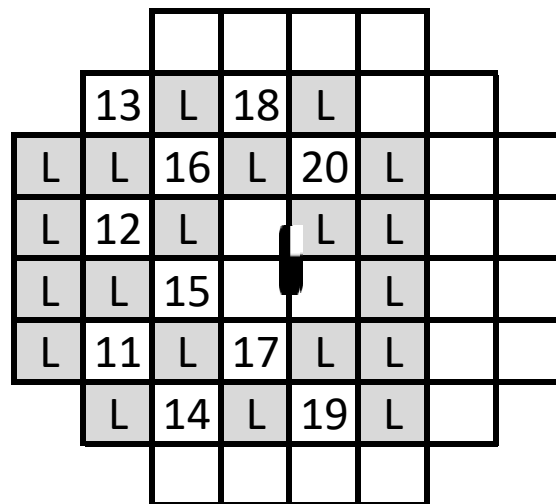
X Axis: 0.202 mm

Y Axis: 0.204 mm

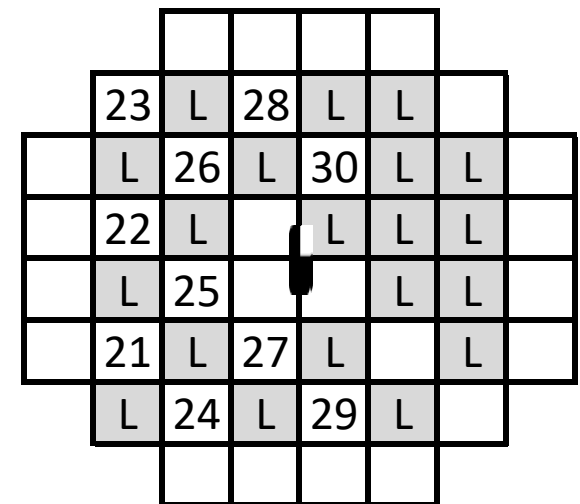
GO Area: 0.0412 mm²



Grid A

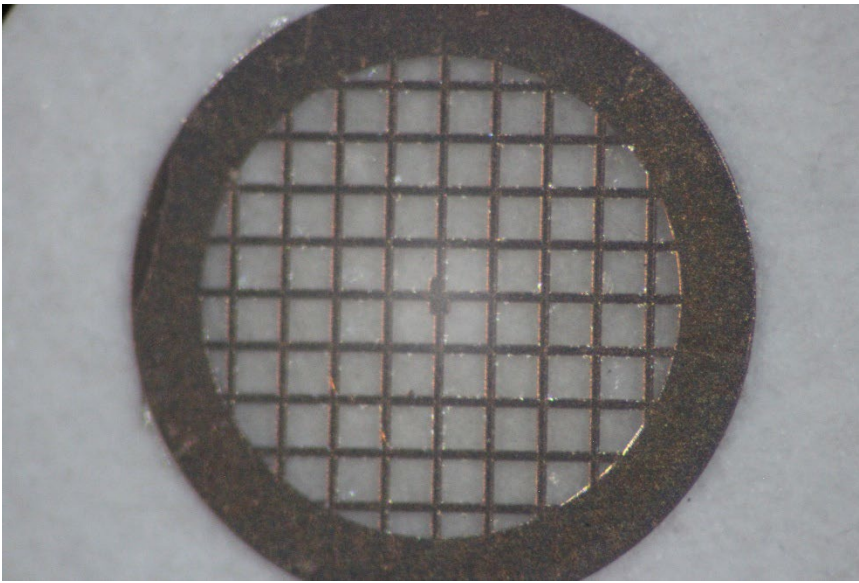


Grid B

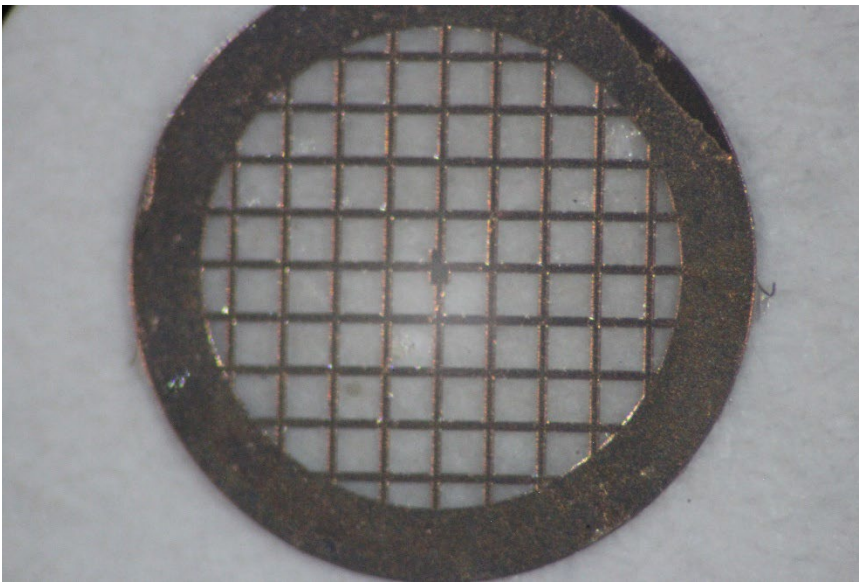


Grid C

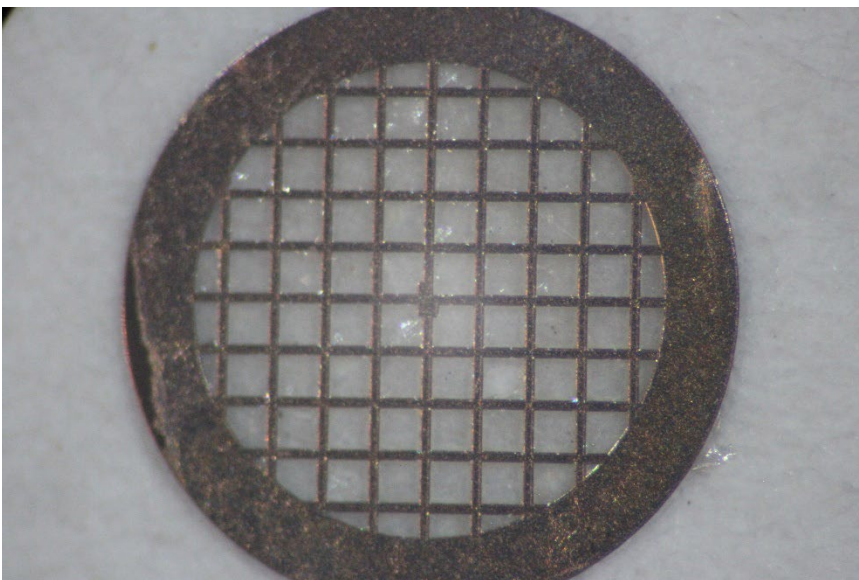
NOTE: An "L" on the Grid Map indicates this Grid Opening was analyzed at Low Magnification (2000X)



2411120C– Grid A, F1 Prep



2411120C– Grid B, F1 Prep



2411120C– Grid C, F1 Prep

CHAIN OF CUSTODY RECORD**ERI Consulting, Inc.**RECIPIENT: EurofinsCustomer: ERIContact with Results: Dr. DodsonHouston, Tx

E.S. No.: _____

SPECIAL INSTRUCTIONS: _____

Total Number Samples this shipment 2Page 1 of 1* Expedited *

DATE	SAMPLE ID	ERI AS NO.	ANALYSIS REQUESTED / VOLUME	COMMENTS / SAMPLE LOCATION
12/12/24	A	2411120	TEM Fiber Burden	Row A - Sample AF ₁
"	C	"	"	" B - " AF ₂
				Row D - Sample CF ₁
				" E - " CF ₂

Sampled by: CustomerMethod of Shipment: FedExRelinquished by: [Signature]

Received by: _____

Received for Lab by: _____

Return of Samples Requested: yes

Air Bill ID. # _____

Date: 12/12/24

Time: _____

Date: 12-13-24Time: 9:15

Date: _____

Time: _____

Please return completed form with final report to ERI Consulting, Inc. at the billing address listed below:

BILLING: PO Box 2024, Tyler, TX 75710

SHIPPING: 2026A Republic Drive, Tyler, TX 75701

PH#: (903) 534-5001

FAX: (903) 534-8701