741-23 ...

point counts: sample 004

2 preps: 13/107 pts.

Try again - strip extra fines: 8/104

again: 6/107 → 2/100, 4/105

in 1.605 oil — both indices higher

using 1.640 & 1.680 oils — actin. ~1.652, 1.672

(#18 - indices seem close to 1.645, 1.66)

(#25 - both < 1.68 in 1.64 oil: very close. blue disp. color. sg ~ 1.638 another ⊥ is >1.64)

003: 2/102 pts

002: 3/100

001 brn ~1% ←

002 ~3%? } - check

003 ~2% }

004 raising downward to ~3%

5 <1% actin. needles? (check: 1/97, 0/73)

6 <1%

7 (2/74) ... ←

8 <1%

9 <1% ← MB ≤1%

10 ~1-2% ? (3/113)

11 brn 1-3% est.

12 1-2%

13 2-3% ? (4/136) ✓

14 brn ~1% ← ←

15 lots of cell, & lg grn., <1% ✓

16 <1%

17 trace

18 – trace

19 – brn <1% MB ✓ <1

20 " "

21 " perhaps 2%

22 beige <1% MB ✓ <1

23 brn ~2-3% MB 2% ✓

24 " <1%

25 ~1%? (check – 1/107) MB <1%

26 brn <1%

27 brn ~1-2% MB ✓ 1-2%

28 beige <1%

29 brn <1%

30 beige <1%

31 brn <1%

32 – ~~~1%?~~ ~2% (2/104 pts) MB ~2%

33 brn ~3%? (3/118 pts)

34 red-brn 1-2%

35 " " <1%

36 brn ~2-4%

37 " ~1-2% MB ✓ 1-2%

38 " ~2-4%.

39 brn ~1-2%

40 " " MB 1-2% ✓

41 " ~1-2% (3/117 pts) MB <1%

42 " <1%

43 " ~1%

44 " ~2% MB 1-2% ✓

45 " <1% (<<1%)

46	bge or orng brn	<1%	
47	dk brn	~1-2%	
48	brn	<1%	
49	"	<1%	~4B <1% ✓
50	"	<1%	
51	"	~2 (-3)%, w/ Hb!	
52	"	~2%	
53	"	<1%	
54	"	<1%	
55	beige	<1%	
56	"	<1%	~4B <1% ✓
57	brn	~1% (≥1)	
58	orng-brn	<1%	

741-23 ...

point counts: sample 004

2 preps: 13/107 pts -

Try again - strip extra fines: 8/104

again: 6/107 → 2/100, 4/105

in 1.605 oil — both indices higher

using 1.640 & 1.680 oils — action. ~1.652, 1.672

(#18 - indices seem close to 1.645, 1.66)

(#25 - both << 1.68 in 1.64 oil: ↑ ↓ ↔ very close. blue disp. color. sg ~ 1.638 another ∥ is (>1.64))

003: 2/102 pts

002: 3/100

---

001 brn ~1% ←

002 ~3%? } - check

003 ~2% }

004 raising downward to ~3%

5 <1% action needles? (check: 1/97, 0/73)

6 <1%

7 (2/74) ... ←

8 <1%

9 <1% Tr <1%

10 ~1-2%? (3/113)

11 brn 1-3% ext.

12 1-2%

13 2-3%? (4/136) ✓

14 brn ~1% ← ←

15 lots of cell. & lg grn., <1% ✓

16 <1%

17 trace

18 – trace

19 – brn <1 oz — Tr < 1%

20 " "

21 " perhaps 2 oz

22 beige <1 oz — <1%

23 brn ~2-3 oz — ~2%

24 " <1 oz

25 ~1 oz? (check – 1/107) — <1%

26 brn <1 oz

27 brn ~1-2 oz — 1-2%

28 beige <1 oz

29 brn <1 oz

30 bge <1 oz

31 brn <1 oz

32 – ~~~1 oz?~~ ~2 oz (2/104 pts) — ~2%

33 brn ~3 oz? (3/118 pts)

34 red-brn 1-2 oz

35 " " <1 oz

36 brn ~2-4 oz

37 " ~1-2 oz — 1-2%

38 " ~2-4 oz.

39 brn ~1-2 oz

40 " " — 1-2%

41 " ~1-2 oz (3/117 pts) — <1%

42 " <1 oz

43 " ~1 oz

44 " ~2 oz — 1-2%

45 " <1 oz (<<1 oz)

46 bge or orng brn <1 oz

47 dk brn ~1-2 oz

48 brn <1 oz

49 " <1 oz

50 " <1 oz

51 " ~2 (-3) oz, w/ Hb!

52 " ~2 oz

53 " <1 oz

54 " <1 oz

55 beige <1 oz

56 " <1 oz

57 brn ~1 oz (≥1)

58 orng-brn <1 oz

<1%

<1%

741-00024 —

001	orange	~2-3%	27	brn	<1%
002	beige	~1-2%	28	beige!	<1%
3	"	1-2%	29	"	<1%
4	"	"	30	"	<1%
5	"	<1%	31	"	~1% (1-2%)
6	brn	<1%	32	brn	<1%
7	"	1-3%	33	"	<1%
8	"	<1%	34	brn	<1%
9	"	<1%	35	"	≥1%
10	"	<1%	36	✓	<1% (close to)
11	"	1-(2)%	37	✓	1-2%
12	"	1-2%	38	✓	<1%
13	"	~1% (>1%)	39	✓	~2-3%
14	"	~1% (<1%)	40	orng	<1% (close to)
15	"	~1% (>1%)	41	brn	~3% ?
16	"	1-2%	42	"	≥1% (~1%)
17	"	<1%	43	"	<1%
18	brn	~2%	44	orng	<1%
19	"	~1% (<1%)	45	brn	2-3%
20	"	" "	46	"	~1% (≥1%)
21	orng	~1% (≥1%)	47	orng	~1% (")
22	brn	~1% (>1%)	48	brn	" (")
23	brn	<1%	49	brn	1-2% + chays?
24	"	<1%	50	brn	1-2%
25	"	<1%	51	"	<1% lots of wood?
26	"	<1%	52	"	<1% (close)
			53	"	<1%

Tr<1%

<1% Tr

Tr<1%

3-5%

2-3%

<1%

741-00024-

54 brn ≥1%
55 " <1%
56 " <1%
57 beige ~2%
58 brn ≥1%
59 grey <1%
60 beige ≥1%

531-01143 Log #49479
~~[illegible]~~ off-white acoustic ceiling w/ paint.
friable - fibers visible in [illegible].
pulled, chopped, heated.

cc
binder paint

49403 - soils
w/ opaques, cc, qtz, fsp other
-1 no chrys., actin <1% extin ~15°
trans 1.625 ||
1.60 ⊥

Sed cont — 741-00025 —

(all in 1.640 ool)

001	bge	~1% (≥1) ←	
2	brn	1-2%	
3	bge	2-3%	3-5%
4	brn	≥1%	
5	bge	>1%	
6	bge	(>1%)	→ 2%
7	bge	>1%	
8	bge	>1%	
9	bge	≥1%	⇒ Tr. <1%
10	bge	≥1%	
11	bge	<1%	
12	brn	<1%	
13	bge	>1% ←	
14	bge	~1% (≥) ← glass @ glass fin, cc	
15	brn	<1% w/ glass	~1%
16	brn	<1% (close)	
17	brn	<1% w/ opq's (1)	
18	brn	<1%	
19	bge	<1%	
20	brn	<1% opq's (1)	
21	grey	<1%	Tr. <1
22	brn	<1% glass #3	
23	brn	<1% " "	
24	brn	<1% "	
25	brn	<1% glass #3	

25 - 26 brn << 1%
27 brn < 1%
28 brn < 1%
29 brn < 1%
30 brn < 1%
31 grey < 1% glass #3
32 beige < 1%
33 brn < 1%
34 brn < 1%
35 brn < 1%
36 brn < 1%
37 brn < 1%
38 brn < 1%
39 grey < 1%
40 brn < 1%

Tr. < 1%

Tr. < 1%

Tr. < 1%

---

191 - 000 26 - in 1640 oil

- 001 brn < 1%
- 2 brn < 1%
- 3 brn < 1%
- 4 brn < 1%
26 - 5 brn < 1%
- 6 brn < 1%
- 7 brn < 1% (~1%)
- 8 brn < 1%
- 9 brn ~1% (≥1)
- 10 beige " "
- 11 brn ≥1%
- 12 brn ≥1%?
- 13 beige < 1
- 14 grey < 1
- 15 beige ≤1%
- 16 grey < 1
- 17 brn ~1% (≥1)
- 18 beige < 1
- 19 beige < 1
- 20 brn < 1

Tr. < 1%

Tr. < 1%

26 cont'd

MPS

21 brn ≥1%
22 brn ≥1%
23 brn ≥1%
24 brn ≥1 — ≥
25 beige <1
26 brn ≥1%
27 grey ND — qtz, fsp, other mp
28 grey " " "
29 brn <1%
30 brn <1
31 grey <1 (trace) q, fsp, other mp
32 grey " "
33 grey trace
34 grey ND
35 brn <1%
36 orng ~1% (≥1)
37 grey ND qtz, f, other
38 brn ≥1%
39 grey trace (<1) qtz, f, other
40 grey " "
41 grey <1% (but > trace) q, fsp, other
42 brn <1 → opq, cs, qtz
43 brn ≥1
44 brn ≥1 → opq, cs, qtz
45 grey trace → qtz, fsp, other
46 brn 2(-3)%
47 brn <1% (close)
48 grey <1% q, f, other
49 grey ND
50 grey ND
51 grey ND
52 grey ND

<1%

<1%

ND

ND
ND

Tr

ND

ND
ND

Asbestos TEM Laboratories, Inc.

Daily PLM Microscope Calibration Sheet

Date	Analyst	Polarizer and analyzer are oriented at 90 degrees to one another?	Ocular cross-hairs coincide with privileged directions?	Objectives are centered to prevent grains from leaving the field of view during substage rotation?	Substage condenser and iris diaphragm are centered in the optic axis?	Substage condenser is positioned such that the image of the condenser aperture is in focus?	Other adjustments
4/25	SF	✓	✓	✓	✓	✓	—
4/26	SF	✓	—	—	✓	✓	
4/27	SF	✓	✓	✓	✓	—	
4/28	SF	—	—	—	—	—	
4/29	SF	✓	✓	—	—	—	✓
5/2	SF	✓	—	—	—	—	—
5/3	SF	✓	—	—	—	—	
5/4	SF	✓	✓	✓	✓	✓	
5/5	SF	✓	✓	—	—	—	—
5/6	SF	✓	✓	✓	✓	✓	—
5/9	SF	✓	✓	✓	✓	✓	
5/10	SF	✓	✓	✓	✓	✓	
5/11	SF	✓	✓	✓	✓	✓	
5/12	SF	✓	✓	✓	✓	✓	—
5/13	SF	✓	✓	✓	✓	✓	—
5/16	SF	✓	✓	✓	✓	✓	—
5/17	SF	✓	✓	✓	✓	✓	
5/18	SF	✓	✓	✓	✓	✓	—
5/19	SF	✓	✓	✓	✓	✓	
5/20	SF	✓	✓	✓	✓	✓	—
5/23	SF	✓	✓	✓	✓	✓	
5/24	SF	✓	✓	✓	✓	✓	
5/25	SF	✓	✓	✓	✓	✓	
5/26	SF	✓	✓	✓	✓	✓	—
5/27	SF	✓	✓	✓	✓	✓	—
5/31	SF	✓	✓	✓	✓	✓	

Asbestos TEM Laboratories, Inc.

Monthly Refractive Index Oil Calibration Sheet

Date	Analyst	Nominal or Labeled $n_D^{25°C}$/Series	Cargille Glass		Central Stop DS Observation		Liquid or Room Temperature (°C)	Actual or Calibrated $n_D^{25°C}$	Difference between Calibrated $n_D^{25°C}$ and Labeled $n_D^{25°C}$	Accept (A) or Reject (R)
			Nominal or Labeled R.I.	Lot No.	Predominant DS Color	Corresponding T_1 λ_0 chart				
01/06/05	Sandar	1.55/E	1.55	C	Purple	560	24	1.5486 (T4)	0.0014	A
01/07/05	Sandar	1.605/E	1.60	B	Blue	610	22	1.6015 (T5)	0.0035	A
01/07/05	Sandar	1.68/B	1.68	C	Blue-green	660	22	1.6837 (T7)	0.0037	A
01/07/05	Sandar	1.70/B	1.70	C	Blue-purple	570	22	1.6984 (T8)	(0.0016–0.0005) 0.0011	A
02/18/05	SK	1.55/E	1.55	C	Purple	570	22	1.5485	0.0015	A
02/18/05	SK	1.605/E	1.60	B	Blue	630	22	1.6013	0.0037	A
02/18/05	SK	1.68/B	1.68	C	Blue-green	660	22	1.6837	0.0037	A
03/10/05	SK	1.55/E	1.55	C	purple	570	22	1.5485	0.0015	A
03/10/05	SK	1.605/E	1.60	B	blue	610	22	1.6015	0.0035	A
03/10/05	SK	1.68/B	1.68	C	blue-green	660	22	1.6837	0.0037	A
4/12/05	DV	1.55/E	1.55	C	purple	570	22	1.5485	.0015	A
4/12/05	DV	1.605/E	1.60	B	blue	610	22	1.6013	.0037	A
4/12/05	DV	1.68/B	1.68	C	blue-green	660	22	1.6837	.0037	A