

ASBESTOS FIBER COUNTING DATA SHEET

SAMPLE COLLECTION INFORMATION:

Lab Report No. _____
 Lab Sample No. _____
 Field Sample ID No. _____
 DOEHS Sample ID No. _____
 Sample Air Volume: (L) _____
 Filter Size (mm): _____

LABORATORY METHOD INFORMATION:

Method: NIOSH 7400, 15 Aug 1994, Rules: A
 Reticle: Walton Beckett
 Microscope: _____
 Counting Field Area (A_f): 0.00785 mm^2
 Effective Collection Area (A_c): 385 mm^2
 Limit of Quantitation (LOQ): 7 fibers/ mm^2

FIBER COUNTS/FIELD

1	21	41	61	81
2	22	42	62	82
3	23	43	63	83
4	24	44	64	84
5	25	45	65	85
6	26	46	66	86
7	27	47	67	87
8	28	48	68	88
9	29	49	69	89
10	30	50	70	90
11	31	51	71	91
12	32	52	72	92
13	33	53	73	93
14	34	54	74	94
15	35	55	75	95
16	36	56	76	96
17	37	57	77	97
18	38	58	78	98
19	39	59	79	99
20	40	60	80	100

SAMPLE:

Total Fibers Counted (**F**): _____
 Number of Fields Counted (**n_f**): _____
 Average Count (**F/n_f**): _____

ASSOCIATED BLANK(S):

Lab Sample ID No#: _____
 Lab Sample ID No#: _____
 Total Fiber Count (**B**): _____
 Total Fields Counted (**n_b**): _____
 Mean Fibers/Field (**B/n_b**): _____

Where **B/n_b** is the *mean* fibers/field of all blanks

- If only one blank is associated with the sample, then the *mean* is equal to the blank's calculated fibers/field.

$$\text{FIBER DENSITY (E)} = \frac{(\mathbf{F}/\mathbf{n}_f - \mathbf{B}/\mathbf{n}_b)}{A_f} = \frac{(\text{_____}) - (\text{_____})}{0.00785 \text{ mm}^2/\text{field}} = \boxed{\text{_____ Fibers/mm}^2}$$

$$\text{CONCENTRATION: } \frac{(\mathbf{E}_{f/\text{mm}^2})(\mathbf{A}_c)}{(V_{\text{Liters}})(1000_{\text{cc/L}})} = \frac{(\text{_____})(385 \text{ mm}^2)}{(\text{_____})(1000_{\text{cc/L}})} = \boxed{\text{_____ Fibers/cc}}$$

PERFORMED BY: _____ ANALYSIS DATE: _____

REVIEWED BY: _____ REVIEW DATE: _____