

AIR SAMPLE ANALYSIS

Sample # 4-78

Concentration 7.335 f/cc

Slide Number _____ Mounted on 5/15 Analyzed on _____

Fibers 200/2 Fields 35 Average Fibers/Field 2.857

Blank Filter:

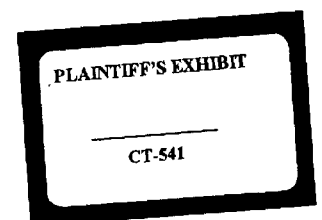
Number _____ Fibers per _____ Fields _____ Average Fibers/Field _____

Concentration = $\frac{(\text{Average Count of Sample} - \text{Blank Filter Count}) \times (\text{Filter Area})}{(\text{Field Area}) \times (\text{Average Flow Rate}) \times (\text{Sample Time}) \times (1000)}$

Fibers/Cubic Centimeter of Air = $\frac{(2.857 -) (855)}{(.003) (2.0) (55.5) (1000)} = \frac{(2442.74)}{(333)} = 7.335$

Microscopist _____

Computations By JD



CTD017880

Sample # 4.78

Concentration 1.385

Employee Jones, Larry Clock # 121 Job Classif. Laborer

Dept. 402 Location/Operation Duwork Saw (Small)

Pump Used: ☐ Bendix C115 Serial #1003 ☒ Bendix BDX44 Serial #8-77-2322

☐ _____
Calibrated 4-26-78 Checked Calibration ☐ Beginning _____
☐ Ending _____

Sampling Medium: ☒ Filter ☒ Pad ☐ Screen ☐ _____
Manufacturer: ☒ Millipore ☐ _____ Batch # AP10037X

Weather Conditions: ☐ Hot ☐ Warm ☒ Cool ☐ Steamy ☐ Humid ☐ Rainy ☐ Dry
☐ Windy ☐ Calm ☐

Production Rate: ☐ Above Normal ☒ Normal ☐ Below Normal ☐ Machine Down

Comments:

Ventilation: ☐ Dust Hoods ☒ Dust Collector ☐ Windows Open ☐ Fans Operating

Air Velocity

Personal Protection: ☒ Disposable Respirator ☐ Permanent Respirator ☐ Power Pack
☒ White Suit ☐ Face Shield ☐ Hearing Protection ☒ Head Protection
☒ Foot Protection ☐ None ☐ _____

Product in Process: (Furnish) 6" rework

Comments: ☐ Beard ☐ Smoking ☐ Long Hair Smoked 1 cigarette

Time Log: Time Started Pump 11:55 Flow Meter Reading 8705

Time Stopped Pump 12:58 Flow Meter Reading 2678 42.5 11383 (2)

AREA	TIME READING		MINUTES		
	IN	OUT	IN	OUT	TOTAL
Cutting pipe	11:55	12:58	63		63
TOTAL SAMPLING TIME			63		63

SAMPLER: Wardson Average Air Flow 2.0 Exposure Time 63 min