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NY. 41 NLO

ANALYTICAL DATA SHEET

ANALYTICAL DEPT. – HEALTH AND SAFETY DIVISION

№ 9806

Industrial Hygiene or Medical Dept.

1956

I. H.# 1015 Sample Nos. 3 Date Collected 7/11 by CES Route to CES

Location TITANIUM ALLOY METALS Type of Sample air dust Analyzed for F Alphaxx

Remarks NIAGARA FALLS, N.Y. U Beta

Bldg. 103 - furnace room NO_3 Ra

Oil pH

Be Th

Analytical Chemistry Section:

Date Received 7-13-56 by Lab

Date Reported 7-16-56 by MW

Method of Analysis Alpha scintillation counter 2 by CJM

Counting Data:

BKGD .27 c/min GEO 41%

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/M³
7392	1100	GA Induction furnace area during period while furnace was charged with UO_2 and carbon, and under heat.	.02	15	.3	8	17.15	0.20	2
7393		GA Continuation of 7392	.02	15	.3	8	15.75	0.24	3
7394		GA Continuation of 7393	.02	10	.2	9	15	0.33	6

NY. 41

DISTRIBUTION:

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NLO-H&S-736 (2-2-56)

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ANALYTICAL DATA SHEET

ANALYTICAL DEPT. – HEALTH AND SAFETY DIVISION

№ 9805

Industrial Hygiene or Medical Dept.

1956

I. H.# 1014 Sample Nos. 8 Date Collected 7/11 by CES Route to CES

Location TITANIUM ALLOY METALS Type of Sample ~~xxxxxxx~~ smears Analyzed for F Alphaxx

Remarks NIAGARA FALLS, N.Y. U Beta

Surface smears collected in Bldg. 103 where reduction of NO_3 Ra

ores and other U compounds had been done with an arc Oil pH

melting and induction furnace. Be Th

Analytical Chemistry Section:

Date Received 7-13-56 by Lab

Date Reported 7-16-56 by MW

Method of Analysis Alpha scintillation

counter 2 by CJM

Counting Data:

BKGD .27 c/min GEO 41%

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/100cm²
			100	cm²					
7384		Floor, center aisle near arc furnace.				32	4.71	6.52	16
7385		Floor, center aisle between arc furnace				32	3.31	9.40	23
		and induction furnace.							
7386		Floor, near induction furnace.				32	2.84	11	27
7387		Scale, by induction furnace.				32	14.11	2	5
7388		Side of induction furnace panel.				32	0.15	213.06	520
7389		Large tool box top near south wall.				28	15	1.60	39
7390		Work bench top north end of room.				32	6.30	4.81	12
7391		Lab bench top in Room 103 office.				32	3.47	8.95	22

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