NATIONAL CENTRE for UPGRADING TECHNOLOGY
NCUT ANALYTICAL SERVICES

SURFACE CHARACTERIZATION LABORATORY

Particle Size Distribution by Laser Granulometry

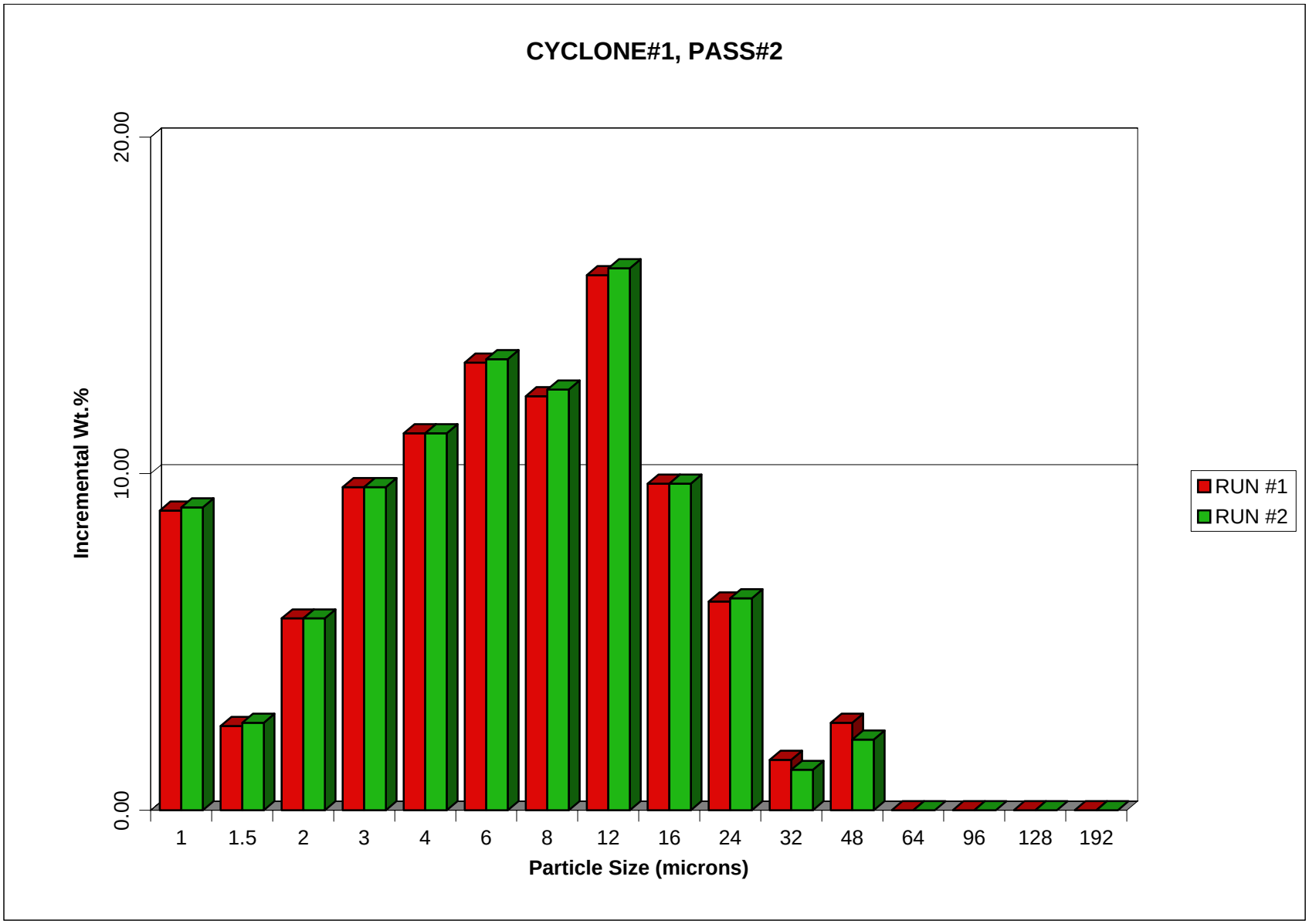
DATE : APRIL 2/02
SAMPLE ID :
CYCLONE#1
PASS#2

PARTICLE SIZE (microns)	LIMITS	WEIGHT % INCREMENTAL (RUN #1)	WEIGHT % CUMMULATIVE (RUN #1)	WEIGHT % INCREMENTAL (RUN #2)	WEIGHT % CUMMULATIVE (RUN #2)	INCREMENTAL % AVERAGES
1	</= 1	8.90	8.90	9.00	9.00	8.95
1.5	1 to 1.5	2.50	11.50	2.60	11.60	2.55
2	1.5 to 2	5.70	17.20	5.70	17.40	5.70
3	2 to 3	9.60	26.90	9.60	27.00	9.60
4	3 to 4	11.20	38.10	11.20	38.30	11.20
6	4 to 6	13.30	51.50	13.40	51.70	13.35
8	6 to 8	12.30	63.80	12.50	64.30	12.40
12	8 to 12	15.90	79.80	16.10	80.40	16.00
16	12 to 16	9.70	89.50	9.70	90.20	9.70
24	16 to 24	6.20	95.70	6.30	96.60	6.25
32	24 to 32	1.50	97.30	1.20	97.80	1.35
48	32 to 48	2.60	100.00	2.10	100.00	2.35
64	48 to 64	0.00	100.00	0.00	100.00	0.00
96	64 to 96	0.00	100.00	0.00	100.00	0.00
128	96 to 128	0.00	100.00	0.00	100.00	0.00
192	128 to 192	0.00	100.00	0.00	100.00	0.00

RUN #1 MEDIAN SIZE = 5.8 microns
RUN #2 MEDIAN SIZE = 5.7 microns

PARTICLE SIZES ARE REPORTED AS UNDERSIZE

SOLVENT = CH30H/H2O (deionized) @ 1:1 plus 5 drops of wetting agent.


CYCLONE#1, PASS#2
Incremental Wt.%
20.00
10.00
0.00
1
1.5
2
3
4
6
8
12
16
24
32
48
64
96
128
192
Particle Size (microns)
RUN #1
RUN #2