

VISCOSITY WORK SHEET

Item <u>2659</u>	P.T.No. _____	Date <u>3-17-55</u>
Worker <u>L. KAY</u>	Polymer <u>white</u>	Solvent <u>EDC</u>
For <u>Ziegler</u>	Charge <u>1290</u>	Temperature <u>25°C</u>
Viscometer No. <u>I</u>	Efflux Time <u>231.4</u>	Weight: Gross <u>5.1979</u>
Viscometer No. <u>2</u>	Efflux Time <u>219.8</u>	Tare <u>5.0729</u>
Viscometer No. <u>III</u> <u>A</u>	Efflux Time <u>248.1</u> <u>288.5</u>	Net <u>0.1250</u>

Sample Flask		Visc. No.	Solution Efflux Times	Rel. Inh. visc. Visc. or M.W.	
4618-88	C94	I	323.6; 323.2; 323.5	1.461	237,000 ✓
	H-8	2	321.1; 321.2; 321.1	1.462	237,500
4618-89	19	III	490.2; 490.0; 492.1	1.976	595,000 ✓
	H-6	A	572.9; 572.6; 572.1;	1.982	600,000
89	19	III	493.4; 492.6; 493.6	1.988	609,000
"	H-6	A	572.9; 572.9	1.985	608,000
Hand fitted filters on last two samples					
$2.83 \left[\frac{976}{10^5} \right] = 2.83 \times 9.76 \times 10^{-5} = 2.83 \times 5.5$ $= [1.547] \times 10^5 = 1.862 \times 3.2 \times 10^5 = 595,000$					
$2.83 \left[\frac{976}{10^5} \right] = 2.83 \times 9.76 \times 10^{-5} = 2.83 \times 5.46$ $= [1.547] \times 10^5 = 1.876 \times 3.2 \times 10^5 = 600,000$					