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# VISCOSITY WORK SHEET

Item _____ P.T.No. _____ Date 5/20/54

Worker Jackie Harrison Polymer Lucite Solvent E.D.C

For Benjamins Charge _____ Temperature 25°C

Viscometer No. 1 Efflux Time 236.6 Weight: Gross _____

Viscometer No. 2 Efflux Time 220.0 Tare _____

Viscometer No. _____ Efflux Time _____ Net _____

| Sample | Flask | Visc. No. | Solution Efflux Times | Rel. Visc. | Inh.visc. or M.W. |
|---|---|---|---|---|---|
| 4121-95-A-1 | A-62 | 1 | 287.8, 287.8 | 1.216 | 88,000 |
| | A-15 | 2 | 267.4, 267.3, 267.5 | 1.216 | 88,000 |
| A-2 | A-2 | 1 | 287.0, 289.0 | 1.212 | 86,000 |
| | A-63 | 2 | 267.0, 267.0 | 1.212 | 86,000 |
| A-3 | A-64 | 1 | 288.2, 288.2 | 1.220 | 90,000 |
| | A-65 | 2 | 268.1, 268.3, 268.2 | 1.220 | 90,000 |
| A-4 | A-66 | 1 | 285.9, 286.1, 286.0 | 1.209 | 84,000 |
| | A-67 | 2 | 266.1, 266.1 | 1.210 | 84,500 |
| A-5 | A-68 | 1 | 285.8, 286.3, 286.3 | 1.210 | 84,500 |
| | 19 | 2 | 266.5, 266.5 | 1.210 | 84,500 |
| A-6 | A-70 | 1 | 282.5, 282.3, 282.3 | 1.194 | 76,000 |
| | A-69 | V | 262.5, 262.5 | 1.194 | 76,000 |
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PC-1

N38561

250)2.8076
.01

95 A-1

2.8076 g/250 ml = .01122 g/ml.

want 0.1250 g/25 or .5000 g/100 ml

$\frac{.5000\ g}{.01122\ g/ml} = 44.56\ ml.$ (15 min.)

95 A2

2.8770/250 = .01151 g/ml.

$\frac{.5000\ g}{.01151\ g/ml} = 43.44$

A3 2.6007/250 = .01040 g/ml.

$\frac{.5000\ g}{.01040\ g/ml} = 48.08$

A4 2.6953/250 = .01080 g/ml.

$\frac{.5000}{1080} = 46.30$

A5 2.5016/250 = .01000 g/ml.

$\frac{.5000}{.0100} = 50.0.$

A6 2.3113/250 = .00924 g/ml.

$\frac{.5000}{.00924} = 54.11.$

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