

# **VISCOSITY WORK SHEET**

|                           |                          |                            |
|---------------------------|--------------------------|----------------------------|
| Item <u>2881</u>          | P.T.No.                  | Date <u>6/1/55</u>         |
| Worker <u>Agnew, L.</u>   | Polymer <u>Lucite</u>    | Solvent <u>EDC</u>         |
| For <u>Lab</u>            | Charge <u>1200</u>       | Temperature <u>25°C</u>    |
| Viscometer No. <u>I</u>   | Efflux Time <u>221.4</u> | Weight: Gross <u>3.605</u> |
| Viscometer No. <u>2</u>   | Efflux Time <u>220.0</u> | Tare <u>2.4955</u>         |
| Viscometer No. <u>III</u> | Efflux Time <u>247.9</u> | Net <u>.1250</u>           |
| <u>A</u>                  | <u>288.4</u>             |                            |

| Sample | Flask | No. | Visc. | Solution Efflux Times | Rel. Inh. visc. | Visc. or M.W. |
|--------|-------|-----|-------|-----------------------|-----------------|---------------|
| 14-266 | 13    | I   |       | 259.5; 259.6; 259.4   | 1.171           | 64,000        |
| "      | XX    | 2   |       | 257.6; 257.5; 257.6   | 1.170           | 63,500        |
| 14-267 | 24    | I   |       | 277.0; 277.0          | 1.252           | 108,000       |
| "      | H-15  | 2   |       | 275.8; 275.7; 275.7   | 1.252           | 108,000       |
| 14-268 | O-1   | III |       | 304.8; 304.8          | 1.231           | 96,000        |
| "      | H-1   | H   |       | 354.8; 354.8          | 1.230           | 96,000        |
| 14-269 | KZ    | I   |       | 271.3; 271.3          | 1.225           | 92,500        |
| "      | 8     | 2   |       | 269.4; 269.3; 269.4   | 1.222           | 91,000        |
| 14-270 | OP    | III |       | 305.2; 305.2          | 1.230           | 96,000        |
| "      | 21    | H   |       | 355.0; 354.9; 355.0   | 1.230           | 96,000        |
| 14-271 | M-88  | III |       | 301.7; 301.7          | 1.215           | 87,500        |
| "      | 23    | H   |       | 350.7; 350.5; 350.5   | 1.215           | 87,500        |
|        |       |     |       |                       |                 |               |
|        |       |     |       |                       |                 |               |
|        |       |     |       |                       |                 |               |
|        |       |     |       |                       |                 |               |