|  |  |  |  |
| --- | --- | --- | --- |
| SN | STEP | COMMENT | DATE |
|  | 1st take flamed dried round flask |  |  |
|  | Magnetic stirrer put in flask for proper movement of solution |  |  |
|  | 1st Lithium chloride (LiCl, 85 mg) **[10]** put in round flask |  |  |
|  | Then add tetrahydrofuran (THF, 20 ml) **[11]** and heptane (20 ml) **[12]** |  |  |
|  | Above solution was cooled to –50-degree C |  |  |
|  | Sec-butyllithium (Sec-BuLi, 0.3 ml, 1.2 M) **[6]** was charged followed by the addition of 1,1-dimethylsilacyclobutane (DMSB, 1 g) **[15]** |  |  |
|  | The reaction mixture was stirred for 1h followed by the addition of 1,1-diphenylethylene (DPE, 0.2 ml) **[17]** |  |  |
|  | Methyl methacrylate (MMA, 0.45mL) **[16]** was added after 30 minutes and reaction mixture was kept stirring for further 1h |  |  |
|  | Finally, the reaction was terminated by the addition of degassed methanol, concentrated, precipitated in methanol and dried in oven at 35°C |  |  |
|  | SEC Trace, and H’ NMR Spectrum |  |  |

**RUN SHEET OF BLOCK COPOLYMER**