

LAB JOURNAL - Version 3.0

Experiment No.

LBN- 51 // Date- 17.12.25

Aim

To develop equivalent to 9076

Equipment Details

Glass reactor with column and accessories

Reaction Scheme

Safety Precautions

Input Raw Material

Sr. No.	Raw Material	Sources	Cas No.	RM No	Quantity (gms)	Purity	Rm %	Molecular Wt.	No. of Moles	Molar Ratio
1	i) Vicaspin LUB 1010 (R425110899/3.12.25)) Bu- EO-PO HV-57.8/ MW-970.5	Viswaat			100					
2	Phosphorous pentaoxide				4.8					
3	Epomine SP-018				30					
4	2 ethyl hexyl acrylate				70					
Total										

Critical Process Parameter

Sr No.	Source	Time	Temp	Observation Details

Experimental Procedure

Sr.No	Time(hrs)	Temp - (°C)	Pressure/Vacuum - N2(kg/cm2)	Process Steps	Remarks
1	0.5	45-50	N2	Step- I) - RM- I heated to 50 deg C under N2; feed of RM - II over 10 min	
2	3.5	75-80	N2	raised temperature to 75-8 deg C under agitation// yellow tincture AV-56.7 Mono-40.54 / Di- 59.1/ Free acid-0.837	