

molecules of molecular man 1000, 2000 200 molecular of molecular man 2000 and 500 noteculis of molecular man 5000, Calculate the no. and neight average of A polydispersity Index. M1=1000 g/mol M2 = 2000 g/mol M3= 5000 g/mol NI = 100 20 Nz = 200 Ns = 500 Number - Mn = ENIMÍ = 100 X 1000 + 200 x 2000 + 500 x 5000 E Ni averge 100 + 200 + 500 10021 (22 + 000,01 X 02 + 002 FX 0 1×105 to 24 × 105 + 25 + 105 008 + 20 x 20 000 + 5 x 25 000 -2+01+25 + 05 + 03.75 × 103 Neight Mw = 100 x (1000)2 + 200 x (2000)2 + 500 x (5000)2 100 × 1000 + 200 × 2000 + 300 × 5000 Average (0022) x 01X10° + (0X)0°0+ 125 X10° 070 07 E 30 X 105 = 4.46 X103 PDI = 4.08 4.46 × 103 = 1.19 Poly disposity 3.75 × 103 index 684 21 = 15,480 selves

torruda resignt of Final products y Lan the others economy C6H5N42 + (C43CO), 0 Cots N4 way + CY3COOH Ariline la acetic de acetanile de. COMENHUOUS 3 135 0 81 - CGH5NH2 = 93 + Nabty + 4400 HOX (Cy3 (0), 0 = 102 U = 35) % Atom Economy = 135 x 100 F=93+102 0 81185 = 135 × 100 120 x4 = 400 1. All Consump = 10/185190 alim wet you eagust from COME + CY3CE - Alels, COH5-CH3 + MCE 9.3. Reader alone crossed in unercuded edded producted = 135%. 78 50.5 % Atom Sconony = 92 X100 01/82 71.59%. & 100/ = 122 x 100 /