**Supplementary data**

Maximum daily intake of the ingredients in the formulation:

Propofol: USFDA NDA approval: 19-627/S-045

(https://www.accessdata.fda.gov/drugsatfda\_docs/label/2007/019627s045lbl.pdf)

Inactive ingredients: (https://www.accessdata.fda.gov/scripts/cder/iig/index.cfm)

The maximum allowable dose of Propofol is 5mg/Kg/h. Maximum allowable potency per unit dose of the inactive substances are: Soyabean oil (96.4 mg/mL), egg lecithin (144.6 mg/mL), sodium oleate (4.8 mg/mL), glycerol (5 mg/mL), benzyl alcohol (10.4 mg/mL), disodium edetate (0.5 mg/mL), and thioglycerol (5 mg/mL).

Temperature dependent solubility profile:

Propofol is very slightly soluble in aqueous medium. It gets crystallized bellow 18 °C. In a lipid mixture the solubility increases with increase in temperature but above 25 °C microorganisms grow abundantly due to presence of the nutrient medium.

Solubility of propofol in the triglycerides mixture was checked at 18, 20, 22 and 25 °C. It was found that at 20 °C the formulation exhibited maximum assay. Hence the process temperature was fixed to 20±2°C.

C:\Users\Admin\Desktop\Propofol Reviewed\6 M size 227 nm.tif

Figure 1 (supplementary): Hydrodynamic size distribution after 6 months

C:\Users\Admin\Desktop\Propofol Reviewed\6 M Zp -45.8 mV.tif

Figure 2 (supplementary): Zeta potential after 6 months

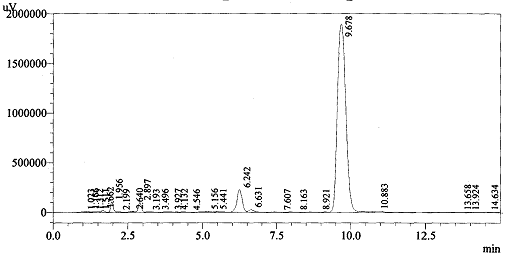


Figure 3 (supplementary): HPLC assay after 6 months