components that create unwanted smell and/or taste in the oil mixture, or vitamins in the product essential oil compared to the initial essential oil.

7. The process according to claim 6, wherein the at least one natural or synthetic impurity comprises agrochemical residues.

8. The process according to any one of the preceding claims, wherein the retentate comprises an increased concentration of at least one component of the essential oil chosen from vitamins, plant sterols, lipophilic hormones, colored components, furanocoumarins, sesquiterpenes relative to the ~~fatty acid oil mixture~~ initial essential oil or essential oil solution.

9. The process according to any one of the preceding claims, wherein the organic solvent used to prepare the mixture of essential oil and organic solvent is chosen from
aromatic hydrocarbons, aliphatic hydrocarbons, ketones, glycols, chlorinated solvents, esters, ethers, amines, nitriles, aldehydes, phenols, amides, carboxylic acids, alcohols, furans, lactones, and dipolar aprotic solvents, and mixtures thereof and with water
and/or
from toluene, xylene, benzene, styrene, anisole, chlorobenzene, dichlorobenzene, chloroform, dichloromethane, dichloroethane, methyl acetate, ethyl acetate, isopropyl acetate ,butyl acetate, methyl ether ketone (MEK), methyl iso butyl ketone (MIBK), acetone, ethylene glycols, ethanol, methanol, isopropanol, propanol, butanol, hexane, heptane, cyclohexane, dimethoxyethane, methyl tert butyl ether (MTBE), diethyl ether, adiponitrile, N,N dimethylformamide, dimethylsulfoxide, N,N dimethylacetamide, dioxane, nitromethane, nitrobenzene, pyridine, carbon disulfide, tetrahydrofuran, methyl-tetrahydrofuran, N-methyl pyrrolidone, N-ethyl pyrrolidone, acetonitrile, and mixtures thereof and with water

and/or
from methanol, ethanol, isopropanol, ethyl acetate, acetone, hexane, heptane, ethylene glycols, and mixtures thereof and with water.

10. The process according to any one of the preceding claims, wherein the at least one selective nanofiltration membrane comprises a material chosen from polyethylene, polypropylene, polytetrafluoroethylene (PTFE), polyvinylidene difluoride (PVDF), polysulfone, polyethersulfone, polyacrylonitrile, polyamide, polyimide, polyamideimide, polyetherimide, cellulose acetate, polyaniline, polypyrrole, polyetheretherketone (PEEK), polybenzimidazole, and mixtures thereof.

11. The process according to claim 1011, wherein the at least one selective nanofiltration membrane comprises a polyimide, preferably a polyimide subject to post-formation crosslinking and impregnation with a low volatility compound.

12. The process according to any one of the preceding claims, wherein the at least one selective nanofiltration membrane is a composite material comprising a support and a thin, selectively permeable layer, preferably a thin, selectively permeable layer comprising a material chosen from modified polysiloxane based elastomers including polydimethylsiloxane (PDMS) based elastomers, ethylene-propylene diene (EPDM) based elastomers, polynorbornene based elastomers, polyoctenamer based elastomers, polyurethane based elastomers, butadiene and nitrile butadiene rubber based elastomers, natural rubber, butyl rubber based elastomers, polychloroprene (Neoprene) based elastomers, epichlorohydrin elastomers, polyacrylate elastomers, polyethylene, polypropylene, polytetrafluoroethylene (PTFE), polyvinylidene difluoride (PVDF) based elastomers, polyetherblock amides (PEBAX), polyurethane elastomers, crosslinked polyether, polyamide,