Basic purpose for primary brine refining is to remove impurities and solids in the crude brine, such as CaCO₃, Mg(OH)₂, BaSO₄, algae, humic acid, mud, which are harmful to chelating resin, and ion-exchange membranes, and can cause higher voltage, shorter working life, and higher production cost.

Better quality of brine will ensure better life of membranes.