Claims

1. Method for removal of an organic amine from a liquid hydrocarbon stream containing the amine, comprising the steps:

   a) adding water to the hydrocarbon stream containing the amine,

   b) bubbling carbon dioxide through the hydrocarbon stream containing the amine, and

   c) separating a solid phase formed containing the amine from a liquid phase.

2. Method according to claim 1, wherein the hydrocarbon stream containing the amine is an outlet stream from a reactor for preparing linear alpha-olefins (LAO) or a fraction of such an outlet stream.

3. Method according to any of the preceding claims, wherein the organic amine is an amine, which is liquid at room temperature and normal pressure.

4. Method according to any of the preceding claims, wherein the organic amine has a boiling point higher than 100°C, preferably wherein the organic amine is 2-ethyl-hexyl-amine and/or n-dodecylamine.

5. Method according to any of the preceding claims, wherein the water is added in an amount from 5 – 70% by weight relative to the total amount of hydrocarbon stream, preferably 15 – 60%, more preferably 25 – 50%.