Claims

1. A method for purification of lipid material, the method comprising

a) Providing a feed of lipid material,

b) heat treating the lipid material without added water or other solvent **c h a r a c t e r i s e d** in that heat treatment takes place at any temperature in the range of 240°C to 280°C, and further **c h a r a c t e r i s e d** in that the residence time in step b) is maintained during a period of 1 minute to 30 minutes, such as 5 minutes to 30 minutes,

c) post treating the lipid material comprising a water treatment step which is performed in the presence of water in an amount of 1 wt % to 5 wt % to the volume of the lipid material,

wherein water treatment step c) is performed at a temperature of 130°C to 220°C,to thereby reduce the amount of phosphorous and /or metal compounds in the lipid material.

2. The method according to claim 1, wherein the lipid material is a plant based, microbial based or animal based lipid or any combination thereof.

3. The method according to any of the preceding claims, wherein the water content of the lipid material in the feed is lower than 10000 ppm, lower than 5000 ppm, lower than 2000 ppm, lower than 1500 ppm, lower than 1000 ppm, lower than 500 ppm, lower than 250 ppm, lower than 100 ppm, lower than 50 ppm, lower than 25 ppm, lower than 10 ppm, lower than 5 ppm, lower than 1 ppm or such that the lipid feed/oil is substantially water free.

4. The method according to any of the preceding claims, wherein water treatment step c) is performed during a period of 1 minute to 30 minutes, such as 5 minutes to 30 minutes.

5. The method according to any of the preceding claims, wherein water in the lipid material is removed by evaporation.

6. The method according to any of the preceding claims, wherein any impurities in the water treatment step c) are removed by one or more of filtration, centrifugation or bleaching or any combinations thereof.

7. The method according to any of the preceding claims, wherein post-treatment step c) comprises water washing/degumming or acid treatment/degumming or bleaching.

8. The method according to any of the preceding claims, wherein step c) comprises an amount of water of 1 wt % to 5 wt % to the volume of the lipid material.

9. The method according to any of the preceding claims, wherein post-treatment step c) comprises a centrifugation and/or filtration step to remove impurities formed during the process.

10. The method according to any of the preceding claims, wherein post-treatment step c) further comprises a bleaching treatment to remove impurities.

11. The method according to any of the preceding claims, wherein phosphorous compounds are phospholipids, selected from one or more of phosphatidyl ethanolamines, phosphadityl cholines, phosphatidyl inositols and phosphatidic acids.