c) recovering the protein from the chromatography material,

or

ii)

a) adding a polysorbate to a sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material, and

c) recovering the protein from the chromatography material,

or

iii)

a) adding a polysorbate to a sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material,

c) applying a (washing) solution which comprises a polysorbate to the chromatography material, and

d) recovering the protein from the chromatography material.

One aspect as reported herein is a method for purifying a protein from a sample comprising the protein and at least one impurity with hydrolytic activity, comprising the following steps:

i)

a) adding a polysorbate to the sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material, wherein the chromatography material is an affinity chromatography material or an ion exchange chromatography material, and

c) recovering the protein from the chromatography material, or

ii)

a) adding a polysorbate to the sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material, wherein the chromatography material is an affinity chromatography material or an ion exchange chromatography material,

c) applying a solution which comprises a polysorbate to the chromatography material, and

d) recovering the protein from the chromatography material;

wherein the polysorbate is polysorbate 20 or polysorbate 80, and the impurity is a hydrolase, an esterase or a lipase.

Reported herein is a method for reducing the hydrolytic activity in a sample comprising a protein and at least one impurity with hydrolytic activity, comprising the following steps:

i)

a) applying the sample comprising the protein and at least one impurity with hydrolytic activity to a chromatography material,

b) applying a solution which comprises a polysorbate to the chromatography material, and

c) recovering the protein from the chromatography material,

or

ii)

a) adding a polysorbate to the sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material, and

c) recovering the protein from the chromatography material,

or

iii)

a) adding a polysorbate to the sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material,

c) applying a solution which comprises a polysorbate to the chromatography material, and

d) recovering the protein from the chromatography material.

Another aspect as reported herein is a method for reducing the hydrolytic activity in a sample comprising a protein and at least one impurity with hydrolytic activity, comprising the following steps:

i)

a) adding a polysorbate to the sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material, wherein the chromatography material is an affinity chromatography material or an ion exchange chromatography material, and

c) recovering the protein from the chromatography material, or

ii)

a) adding a polysorbate to the sample comprising the protein and at least one impurity with hydrolytic activity,

b) applying the mixture of step a) to a chromatography material, wherein the chromatography material is an affinity chromatography material or an ion exchange chromatography material,

c) applying a solution which comprises a polysorbate to the chromatography material, and

d) recovering the protein from the chromatography material,

wherein the polysorbate is polysorbate 20 or polysorbate 80, and the impurity is a hydrolase, an esterase or a lipase.

In a further example of all aspects the impurity is a hydrolase.

In a further example of all aspects the impurity is an esterase.

In a further example of all aspects the polysorbate is selected from the group comprising polysorbate 20, polysorbate 40, polysorbate 60, polysorbate 65 or polysorbate 80.

In a further example of all aspects the polysorbate is polysorbate 20 or polysorbate 80.

In a further example of all aspects the polysorbate is polysorbate 20.

In a further example of all aspects the polysorbate is polysorbate 80.

In a further example of all aspects the polysorbate is added to a final concentration of at least about 0.001% (w/v).

In a further example of all aspects the polysorbate is added to a final concentration of from about 0.001% (w/v) to about 10% (w/v).

Reported herein is a liquid composition comprising an antibody and a polysorbate, wherein the polysorbate is degraded during storage of the liquid composition by 20% or less per year.