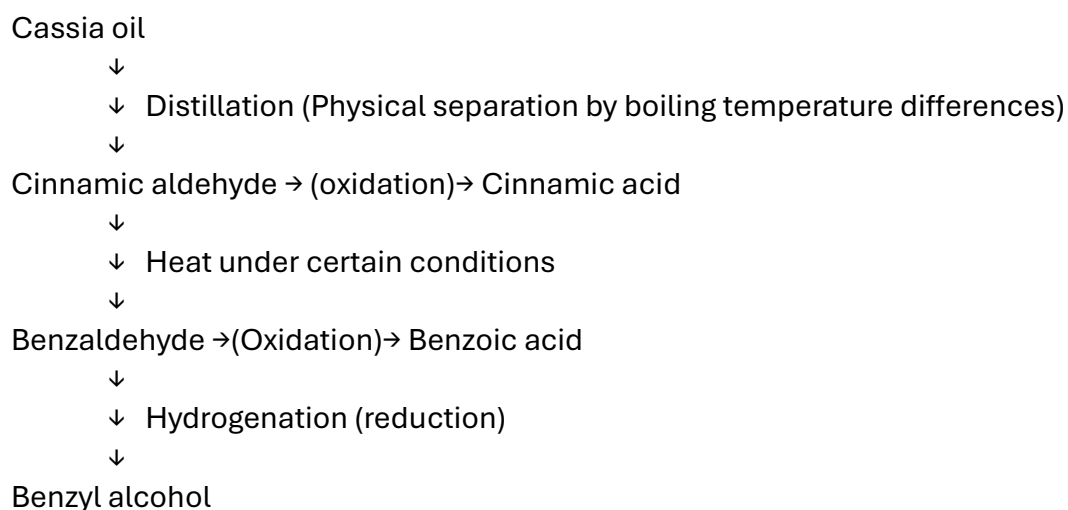


Cassia oil contains high percentage (75-90%) of cinnamic aldehyde. Elan produces Cinnamic aldehyde from Cassia oil through distillation process. This is simple distillation process. Under certain conditions, Cinnamic aldehyde is converted to Benzaldehyde, this is already registered and listed in certified product list. This benzaldehyde is then converted to benzyl alcohol at Elan by high pressure hydrogenation from benzaldehyde. Thus, we produce benzyl alcohol onsite from Cassia oil ultimately.

There are chains of products produced from Cassia oil shown below.



Therefore, Elan can produce following substances from Cassia oil

- (1) Cinnamic aldehyde
- (2) Cinnamic acid
- (3) Benzaldehyde
- (4) Benzyl alcohol
- (5) Benzoic acid