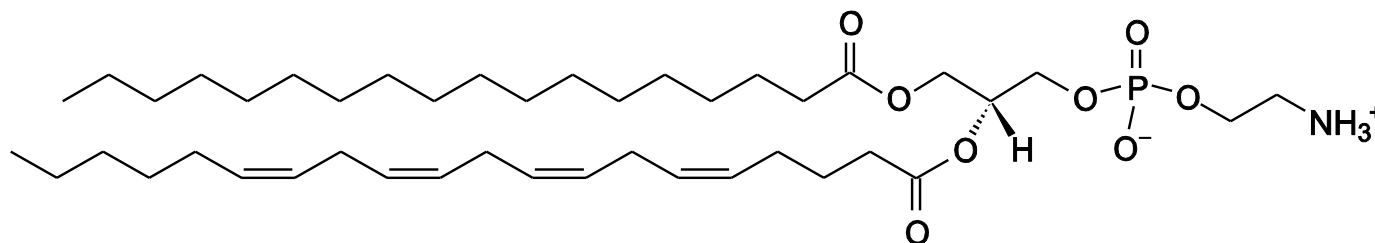


## Research Certificate of Analysis

Heart PE

L- $\alpha$ -phosphatidylethanolamine (Heart, Bovine)

Molecular Weight: Average MW: 763.968  
 Molecular Formula: C<sub>43</sub>H<sub>78</sub>NO<sub>8</sub>P  
 Storage: -20°C  
 Shelf Life (Unopened): 3 Months  
 Physical Form: Chloroform  
 Lot Number: HPE-164r



Structure of predominant species

## Product Specifications

Test	Limits	Results
UV/VIS Oxidation	Run and Report	234nm = 1.49% 268nm = 0.21% 278nm = 0.30%
TLC Analysis	>99%	>99%
Ninhydrin	Positive	Positive
Iodine	One Spot	One Spot
Phosphorus	Positive	Positive
Char	One Spot	One Spot

Approved By: \_\_\_\_\_

Reviewed By: \_\_\_\_\_