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# Product Datasheet

## Esterase (PLE), Porcine Liver - High Purity
## 343-10

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|---|---|
| **Product Name** | Esterase (PLE), Porcine Liver - High Purity |
| **Catalog Number** | 343-10 |
| **Alternative Names** | Carboxylesterase, Carboxyl esterase, Carboxylic-ester hydrolase, PLE |
| **Brand** | Lee Biosolutions |
| **Form/Appear** | Lyophilized tan powder |
| **Concentration** | ≥ 0.4 mg protein/mg (Coomassie) |
| **Storage** | −20 °C |
| **Purity** | Purified |
| **CAS Number** | 9016-18-6 |
| **Source** | Porcine Liver |
| **Buffer** | Lyophilized from 20 mM sodium phosphate, pH 7.5 |
| **Molecular Weight** | 162000 |
| **Shelf Life** | 3 years |
| **Biological Activity** | ≥ 75 U/mg powder |
| **Content** | Ammonia: ≤ 0.01 micromole/mg |
| **Specific Activity** | Reported in U/mg protein |
| **Unit Definition** | One unit will catalyze the hydrolysis of one micromole of ethyl butyrate to butyrate and ethanol per minute at pH 8.0 and 37°C |