

## Active Native Pig Amylase, alpha

**Cat. No.** Amylase-63P    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                        |                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>         | Pig                                                                                                                                                        |
| <b>Source</b>          | Pig Pancreas                                                                                                                                               |
| <b>Form</b>            | Purified, Lyophilized Reconstitute with Tris saline or other buffer to desired concentration.                                                              |
| <b>Bio-activity</b>    | 239 Units/mg powder @ 37°C                                                                                                                                 |
| <b>Purity</b>          | Contaminants: Lipase:<0.12%>Protease: 0.14% Ammonia: 0.1 micromole/mg                                                                                      |
| <b>Unit Definition</b> | One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl-alpha-D-maltrtrioside to yield 2-chloro-4-nitrophenol per minute at 37°C. |
| <b>Characteristic</b>  | Specific Activity: 556 Units/mg Protein                                                                                                                    |
| <b>Applications</b>    | Specific methodologies have not been tested using this product.                                                                                            |
| <b>Usage</b>           | FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY                                                                                                             |
| <b>Notes</b>           | Centrifuge before opening to ensure complete recovery of vial contents.                                                                                    |
| <b>Storage</b>         | Store lyophilized product at -20°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.                                   |

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|----------------------|-----------------------------------|
| <b>Concentration</b> | Protein: 0.43mg Protein/mg powder |
|----------------------|-----------------------------------|

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| <b>Storage Buffer</b> | Lyophilized from 150mM Sodium chloride, 3mM Calcium chloride |
|-----------------------|--------------------------------------------------------------|

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