



Specification

Papain

A3824

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|------------------------------|--|
| Solubility: | soluble (H ₂ O) |
| Physical Description: | Solid |
| Product Code: | A3824 |
| Product Name: | Papain |
| Specifications: | Activity (BAEE): approx. 2 U/mg Activity Casein (pH 6, 40°C): >30000 USP U/mg Water (K.F.): max. 6 % |
| Hazard pictograms |   |
| WGK: | 1 |
| Storage: | 2-8°C |
| Signal Word: | Danger |
| GHS Symbols: | GHS07 GHS08 |
| H Phrases: | H315 H319 H334 H335 |
| P Phrases: | P260 P261 P305+P351+P338 P342+P311 |
| Origin: | from <i>Carica papaya</i> |

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Specification

Papain

A3824

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|--|--------------|
| M: | ~23000 g/mol |
| CAS: | 9001-73-4 |
| EINECS: | 232-627-2 |
| CS: | 35079090 |
| Index Nr.: | 647-007-00-0 |
| <p>Comment</p> <p>Papain is a member of the class of proteolytic enzymes that needs a free sulfhydryl group for activity (group of the cysteine proteases). The pH optimum of Papain is approx. pH 6 and the optimum temperature for activity is 65°C. At the isoelectric point of approx. pH 9.6, the best solubility is achieved. Please note that even at this point, Papain will be dissolved incompletely. The recommended solvent is water.</p> | |

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