

Promod[®] 523MDP

P523MDP

Features/Benefits

- High performance neutral protease
- High strength protease for shorter enzyme incubation step
- Production of whey protein hydrolysates suitable for use in infant formula
- Efficient hydrolysis of beta-lactoglobulin
- Kosher, Halal and vegetarian status available

Promod[®] 523MDP can be used to hydrolyse whey protein to produce a highly digestible whey protein hydrolysate that is suitable for use in infant formula. It can be used to efficiently hydrolyse beta-lactoglobulin. It is a non-animal product and therefore is suitable for products destined for Halal, Kosher and vegetarian markets.

Specification

| | |
|---------------------------|---------------------------|
| Activity | 1,200 Bromelain GDU/g |
| Biological Source | <i>Ananas comosus</i> |
| Form | Off white to brown powder |
| Optimum pH Range | 5.0 - 7.0 |
| Optimum Temperature Range | 45 - 55°C |

Application & Dose

Promod[®] 523MDP performs well in the pH range of 5.0 to 7.0 and demonstrates good activity in the temperature range of 45-55°C. The optimum dosage for P523MDP will depend on the required degree of hydrolysis of the whey protein. Trials will be required to determine the exact conditions in order to achieve the desired degree of hydrolysis of the whey protein. As a guideline, the enzyme may be deactivated at 85°C for 10 minutes at the end of the enzyme incubation step. However, enzyme inactivation is dependent on the type and concentration of substrate and pH etc. and therefore we would recommend testing the hydrolysate to ensure the enzyme has been completely inactivated. Please contact Biocatalysts for further technical support.

Health & Safety

Always read the Material Safety Datasheet (MSDS) before use and retain. If you are in any doubt about recommended product handling and safety, please contact Biocatalysts before use. Generally, when using enzymes avoid contact with the skin and eyes and do not breathe dusts or aerosols containing them. MSDSs are available in other languages. Please contact Customer Services.

Storage

Powders: Activity will remain within specification for at least 12 months from the date of manufacture when stored at 0 - 20°C.

Allergens

Refer to allergen statement.

Food Status

Material complies with the JECFA/FAO/WHO and FCC recommended specifications for enzymes used in food processing.

GM Status

This product has not been manufactured from a GMM, and no materials sourced from GMOs have been used during the manufacturing process. This product does therefore not require labelling as GMO on food labels.

Quality & Food Safety

Biocatalysts operates a preventative risk-based Food Safety System that ensures the environment and processes are designed to produce safe products every time. FSSC22000 and FSMA compliant.

Compliance - The Company's integrated management system encompasses Quality, Food Safety, Health and Safety and GMP.

Certificates are available on request from the Customer Services Department.

Availability

Powders: standard 25kg net poly-lined, 100% recyclable cardboard box. Non-standard quantities are also available for some products, please enquire.