innovation diagnostic chemicals
17B Fota Business Park, Carrigtwohill, Cork T45EY16

PRODUCT SPECIFICATIONS

Product :	**β-Galactosidase**
Origin :	**Escherichia coli**
Code :	**GLS-800**
E.C. Number :	**3.2.1.23**
Nomenclature :	**β-D-Galactoside galactohydrolase**
Form :	**White lyophilized powder**
Molecular weight :	**540,000**
Activity :	**≥ 500 u/mg**
Contaminants :	**α-galactosidase ≤ 10^{-4}%; α-glucosidase ≤ 10^{-4}%; β-glucosidase ≤ $2x10^{-3}$%; α-mannosidase ≤ 10^{-4}%; β-mannosidase ≤ 10^{-4}%; proteinase 10mAbs/mg-P**
Optimum temperature :	**50 - 55 °C**
Optimum pH :	**7.0 - 7.5**
Unit definition :	**1 unit causes the formation of 1 micromole of ONP/min at 37°C and pH 7.3**
Stability :	**12 months**
Storage :	**-20 °C**