

PULLULANASE (*Klebsiella planticola*)

12/23

Non-recombinant

E-PULKP

EC: 3.2.1.41

Synonyms: pullulanase; pullulan 6-alpha-glucanohydrolase

CAZy Family: GH13

CAS: 9075-68-7

Refer to the product lot number Certificate of Analysis for lot specific properties.

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 109,000)

2. SPECIFICITY:

Hydrolysis of (1,6)- α -D-glucosidic linkages in pullulan, amylopectin and glycogen, and in the α - and β -limit dextrans of amylopectin and glycogen.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 5.0 and up to 50°C

pH Optima: 5.0

pH Stability: 4.5-5.5

Temperature Optima: 40°C

Temperature Stability: up to 50°C concentration

4. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension containing 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium acetate buffer (100 mM), pH 5.0 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**