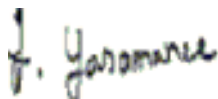


Certificate of Analysis

Product Name : Pullulan suitable for substrate for pullulanase
Product Number : P4516-BULK
Batch Number : 0000476734
CAS Number : 9057-02-7
MDL Number : MFCD00081940
Storage Temperature : +2°C to +8°C
Recommended Retest Date : Aug 2029
Quality Release Date : 04 Aug 2025

Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Powder or Crystals	Powder
Solubility (Color)	Colorless to Very Faint Yellow	Colorless
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
50 mg/mL, H ₂ O		
Suitability	Conforms	Conforms
Suitable as a substrate for Pullulanase		



Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1237315

Page 1 of 1

