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Product Specification

Product Name:

Tyrosinase from mushroom - lyophilized powder, ≥ 1000 unit/mg solid

Product Number: T3824
CAS Number: 9002-10-2
MDL: MFCD00082118

Storage Temperature: -20 °C

TEST	Specification
units/mg solid	≥ 1000
Tyrosinase Activity	
Unit Definition: One unit will cause an increase in A280 of 0.001 per minute at pH 6.5 at 25 deg C in a 3 mL reaction mix containing L-tyrosine	
units/mg solid	≥ 30000
Polyphenol Oxidase Activity	
Unit Definition: One unit will cause a decrease in A265 of 0.001 per minute at pH 6.5 at 25 deg C. In a 3 mL reaction mixture containing L-Beta-3,4-dihydroxyphenyl-alanine (L-DOPA)	
units/mg solid	≥ 30000
Catechol Oxidase Activity	
Unit Definition: One unit will cause a decrease in A265 of 0.001 per minute at pH 6.5 at 25 deg C in a 3 mL reaction mixture containing catechol and ascorbic acid	
Recommended Retest Period	-----
3 Years	

Specification: PRD.1.ZQ5.1000007442

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.