

Certificate of Analysis

Product Name :Superoxide Dismutase bovine recombinant, expressed in E. coli, lyophilized powder, ≥ 2500 units/mg protein, $\geq 90\%$ (SDS-PAGE)**Product Number :****S9697-300KU****Batch Number :****0000389768**

Source Batch :

0000339692

CAS Number :

9054-89-1

MDL Number :

MFCD00132404

Storage Temperature :

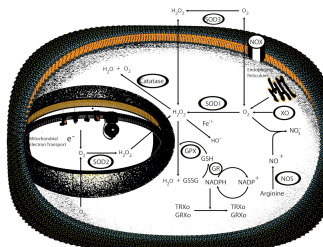
-20°C

Formula Weight :

32,000.00 g/mol

Quality Release Date :

16 May 2024



Test	Specification	Result
Protein by Biuret	$\geq 50 \%$	61 %
units/mg Protein	≥ 2500	3121
Unit Definition: One unit will inhibit the rate of reduction of cytochrome C by 50% in a coupled system using xanthine and xanthine oxidase at pH 7.8 at 25 Deg C in a 3.0 mL reaction volume with a xanthine oxidase concentration that will cause a change in 0.025 per minute at 550 nm.		
Purity by SDS-PAGE	$\geq 90 \%$	94 %

Anna Bendersky, Quality Control Manager

Quality Control

Israel

IL

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

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