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Product Specification

Product Name:

Superoxide Dismutase from human erythrocytes – essentially salt-free, lyophilized powder, $\geq 2,500$ units/mg protein

Product Number:

S9636

CAS Number:

9054-89-1

MDL:

MFCD00132404

Formula Weight:

32,000.00 g/mol

Storage Temperature:

-20 °C

TEST	Specification
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Appearance (Color)

White to Off White

Appearance (Form)

Powder

% Protein (Biuret)

 ≥ 80

units/mg protein

 ≥ 2500

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°C in a 3.0 ml reaction volume. The xanthine oxidase concentration should produce an initial (uninhibited) $\Delta A_{550\text{nm}}$ of 0.025 \pm 0.005 per minute.

Tested For Infectious Agents

Tested

Specification: PRD.4.ZQ5.10000013306

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.