

Certificate of Analysis

Product	Glucose-6-Phosphate Dehydrogenase, Suspension
Source	Leuconostoc mesenteroides
Country of Manufacture	USA
Storage	Store at 2-8°C.
Code	ZFD
Lot Number	
Re-Assay Date	
Description	Chromatographically purified. Same as Code: ZF except assayed using NAD. Phosphohexose isomerase, phosphogluconate dehydrogenase, adenylate kinase and creatine phosphokinase contaminant activities 0.011%, 0.002%, 0.0011% and 0.0011% respectively. A suspension in 3.7M ammonium sulfate.
Unit Definition	One Unit reduces one micromole of NAD per minute at 30°C, pH 7.8, using glucose-6-phosphate as substrate.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
NAD u/mgP	651	≥360 NAD units per mg protein
u/ml	4,070	Report assay value.
mgP/ml	6.25	Report assay value.
% PHI	None detected	≤0.011%
% 6-PGDH	None detected	≤0.002%
% AK	None detected	≤0.0011%
% CK	None detected	≤0.0011%