

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-07 16:00:54  
Date of Next Testing: 2026-03-07 16:00:54  
Product Name: **Natrual  $\beta$ -Carotene**  
CAS Number: 7235-40-7  
Specifications & Purity:  $\geq 96\%$ (HPLC)  
Lot #: B2427404  
SKU #: **C110501**  
**Analysis: 316610**  
Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Heavy metals	0-0.001 (%)	0.00 %
Loss on drying	0-0.2 (%)	0.15 %
Purity(HPLC)	96-100 (%)	98.58200 %
Loss on drying (40°C,2h,reduce pressure,dryer:P2O5)	0-0.2 (%)	0.02 %
Appearance (C110501)	red to dark brown powder	red to dark brown powder
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL3 , Dark Red to Dark Red-Brown,Clear,1 mg+1 mL	pass	Pass



John Su  
QA & QC Manager