

## Certificate of Analysis

Date of Testing: 2023-08-02 16:40:51  
 Date of Next Testing: 2025-08-01 16:40:51  
 Product Name: **Natrual  $\beta$ -Carotene**  
 CAS Number: 7235-40-7  
 Specifications & Purity:  $\geq 96\%$ (HPLC)  
 Lot #: G2329026  
 SKU #: **C110501**  
**Analysis: 049262**  
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Loss on drying (40°C,2h,reduce pressure,dryer:P2O5)	0-0.2 (%)	0.03 %
Heavy metals	0-0.001 (%)	0.00 %
Loss on drying	0-0.2 (%)	0.03 %
Purity(HPLC)	96-100 (%)	97.23100 %
Appearance (C110501)	red to dark brown powder	red to dark brown powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL3 , Dark Red to Dark Red-Brown,Clear,1 mg+1 mL	pass	Pass
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager