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PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
β-Carotene Pur*Cert* Secondary Reference Standard (CRM)
[Includes all characterization data]

Product No.:	PSR44225
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	7235-40-7
Molecular Formula:	$C_{40}H_{56}$
Molecular Weight:	536.87 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Orange to Brown or Dark Red Powder or Crystals	Dark Red Powder
Assay (By HPLC)	≥ 97.0 %	98.80 %
Water (By KF)	NMT 1.000 %	0.520 %
Potency	-	98.28 %
Density	0.900-1.000 g/cm³	1.000 g/cm³
Identification by ^{1}H NMR	Conforms to structure	Conforms
Identification by Mass	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

***Traceable to USP Reference standard 1065480, Lot No.: R24300**

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at temperature of -20°C and keep the container tightly closed and protect from light.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com