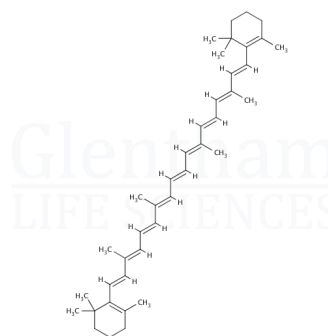


## Product Specification

|               |               |
|---------------|---------------|
| Product Name  | beta-Carotene |
| Glentham Code | GP8334        |
| CAS Number    | 7235-40-7     |
| EINECS        | 230-636-6     |
| MDL Number    | MFCD00001556  |

|                   |                                 |
|-------------------|---------------------------------|
| Molecular Weight  | 536.87                          |
| Molecular Formula | C <sub>40</sub> H <sub>56</sub> |
| Storage Temp.     | -20°C                           |



| Property   | Specification                               |
|--|---|
| Physical Description                                 | Red to dark red, orange or brown-red powder |
| Identification (IR)                                  | To conform to standard                      |
| Solubility (0.1% in chloroform)                      | Clear, red to dark red solution             |
| Wavelength of Maximum Absorption (λ <sub>max</sub> ) | approx. 455 nm (in hexane)                  |
| Specific Absorption (E1%/1cm)                        | ≥ 2250 (at λ <sub>max</sub> , in hexane)    |
| Assay (UV)   | 90.0 - 103.0 %                              |
| Specification Version                                | - v1.2                                      |
| Date Created   | - 2025-02-03                                |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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