



Version	01
Molecular weight	150.22
Quality Test / Release Date	09/15/2021
Molecular Formula	C ₁₀ H ₁₄ O
CAS No	2244-16-8
Linear Formula	
Flash Point (°C)	97

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	15068	Quality Test / Release Date	09/15/2021
Lot Number	A0417617	Suggested retest date	09/15/2024
Description	D(+)-Carvone, 96%, natural		
Country of Origin	GERMANY		
Declaration of Origin	plant		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	Clear colorless to light yellow	Clear light yellow
Appearance (Form)	Liquid	Liquid
Appearance	May darken on storage	May darken on storage
Infrared spectrum	Conforms	Conforms
GC	>=95 %	97 %
Refractive index	1.4960 to 1.5010 (20°C, 589 nm)	1.4984 (20°C, 589 nm)
Specific gravity	(25°C) 0.953 to 0.962	(25°C) 0.96
Specific optical rotation	+52.0° to +62.0° (20°C, 589 nm) (neat)	+59.4° (20°C, 589 nm) (neat)



A handwritten signature in black ink, appearing to read "C. Wygaerts".

C. Wygaerts, QA Manager

Issued: 09-15-2021

Acros Organics
 ENA23, zone1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium
 Tel +32 14/57.52.11 - Fax+32 14/59.34.34 Internet: <http://www.acros.com>
 1 Reagent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329