

Product name:	BORNEOL STANDARD-200517		
Code:	200517		
Chemical Name:	(1S,2R,4S)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol + exo-(R,S)-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol		
Description:	Nature identical product		
Food Grade according to Regulation (EC) 1334/2008:	Yes		
Definition according to Regulation (EC) 1334/2008:	Flavouring		
Feed Grade according to Regulation (EC) 1831/2003:	Yes		
Definition according to Regulation (EC) 1831/2003:	Premixture of flavouring compounds		
Chemical formula:	C ₁₀ H ₁₈ O		
MW:	154.25 g/mol		
General information about the product:	CAS: 464-45-9 + 124-76-5	EINECS: 207-353-1 + 204-712-4	
	CE Index: -	FEMA: 2157 + 2158	
	FL No.: 02.016 + 02.059	CoE No.: 64 + 2020	
Technical specifications			
Parameters	Limit Values	Units	Method
Appearance:	Almost white crystalline solid	-	QC 03
Optical Rotation at 20°C:	-18 – -6	°	QC 01
Solubility at 20°C in alcohol 94%:	1:1 soluble	-	QC 04
Assay (Borneol):	60 – 65	%	(GC) QC 09
Assay (Isoborneol):	34 – 37	%	(GC) QC 09
Flash Point:	+95	°C	(TCC) QC 08
Odour:	Conforms to standard		
Shelf Life:	24 months		
Packaging:	According to the client's requirements or according to the Commission Regulation (EU) 2016/1416.		
Use Conditions:	Non applicable.		
Expected Use:	Industrial use for the production of flavours and fragrances. Product not suitable to be consumed directly.		
Vulnerable groups:	None detected / absence of allergens according to Annex II of Regulation (EU) No 1169/2011.		
Dosage:	No available.		
Storage Conditions:	This product does not require any especial storage conditions. In unopened containers and well ventilated place.		
Handling Conditions:	Avoid the formation of dust in suspension.		
Shipment requirements:	This product does not require any especial shipment conditions. In unopened containers and well ventilated place.		

Regulation Requirements:

- **Regulation (EC) No 1334/2008** of the European Parliament and of the Council of 16 December 2008 on flavorings and certain food ingredients with flavouring properties for use on foods and amending Council Regulation on (ECC) No 1601/91, Regulations (EC) No 2232/96 and (EC) No 110/2008 and Directive 2000/13/EC.
- **Regulation (EC) No 1831/2003** of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition.
- **Real Decreto 191/2011** of general health registration of foodstuffs and food companies.
- **Real Decreto 1191/1998** of authorization and registration of establishments and intermediaries of the feedstuff sector.
- **Regulation (EC) No 852/2004** of the European Parliament and of the Council of 29 April 2004 on the hygiene of foodstuffs.
- **European Parliament and Council Directive 94/62/EC** of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.