



Specification

Concerning Product:	
Article number	36301
Trade name / designation / denomination	Thymol pharma
CAS number	89-83-8
Other names / synonyms	•thymol;
EC number	201-944-8
EC index number	604-032-00-1
Customs tariff number / CN code / TARIC	29071990
Molecular weight [g / mol]	150,24
Formula	C ₁₀ H ₁₄ O
Danger 2430, 8, III	
Harmful if swallowed. Causes severe skin burns and eye damage. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.	

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution	Ph.Eur.	Clarity ≤ Reference suspension IV	
Appearance of solution	Ph.Eur. [2.2.2, II]	Colour ≤ R6	
Appearance	visual	complies to requirements	
Colour	visual	colorless to white	
Odour	organoleptic	comparable to standard	
Physical parameter			
Acidity/Alkalinity	Ph.Eur.	complies	
Flash point	CC (*)	≥ 100	°C
Form	visual	crystalline powder	
Melting range	USP/NF	48,0 – 51,0	°C
Melting range	FCC	49,0 – 51,0	°C
Melting range	Ph.Eur.	48,0 – 52,0	°C
Solubility		in Ethanol (@25°C): 1:1	

Identity			
Assay	GC	≥ 99,0	%
Assay	USP/NF	99,0 – 101,0	%
Identification	Ph.Eur. / USP	Test A - D: complies	
Infrared absorption spectrometry	FCC (Diamond ATR)	complies	
Impurities			
Residue on ignition	Ph.Eur. / USP	≤ 0,05	%
Impurity	GC	2-Isopropyl-4-methylphenol ≤ 0,1	%
Impurity	GC	N-Heptane ≤ 300	ppm
Related substances	GC (Ph.Eur.)	total: ≤ 1,0	%
Organic volatile impurities			
Org. volat. Imp. Total	GC (USP/NF)	N-Heptan: complies	

Annotation:

* only available as a typical value

Supplemental information:

Shelf life: 2 years

24 months

Storage conditions: Store dry at 10 to 30 ° C in the original unopened container.

Complies with monographie: EP 9.7, USP 42, NF 37, BP 2019, FCC 11

Regional origin: D

Usage: This product is permissible for use in the EU according to Regulation (EC) No 1334/2008, Regulation (EC) No 2065/2003 and Regulation (EC) No 1333/2008.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 30. Oct. 2019

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