

Certificate of Analysis

Productname: Menthae piperitae aetheroleum
Number of analysis/Inspection Code: 1 / KEUR-180677B
Batchnumber: 19L23-F02-367761
Reference code / No.: 1141 / 1182181
Analysed according to: PH.EUR10.0

Tests	Requirement	Result	Unit	Standard remark
Appearance	Colourless or pale green / yellow liquid	Conform		
Identification B	Conform	Conform		GC
Relative density	0,900 - 0,916	0,902		
Refractive index	1,457 - 1,467	1,461		
Optical rotation	-10 - -30	-24	°	
Acid value	<= 1,4	0,3		
Fatty and resinified essential oils	Conform	Conform		
Mint oil	Conform	Conform		
Cromatographic profile	Conform	Conform		GC
Limonene	1,0 - 3,5	2,5	%	
Cineole	3,5 - 8,0	5,3	%	
Menthone	14,0 - 32,0	26,8	%	GC
Menthofuran	1,0 - 8,0	2,9	%	
Isomenthone	1,5 - 10,0	4,0	%	
Menthyl acetate	2,8 - 10,0	5,1	%	
Isopulegol	<=0,2	0,2	%	
Menthol	30,0 - 55,0	39,2	%	GC
Pulegone	<=3,0	1,0	%	
Carvone	<=1,0	0,1	%	
Ratio 1,8 cineol / limonene	>=2	2		
Metallic residues	CHMP/ICH/353369/2013	Conform		Data producer
Residual solvents	CHMP/ICH/82260/2006	Conform		Data producer
TSE/BSE-statement:	No contamination with TSE/BSE-risk materials	Conform		Data producer

Analysis performed by the authorized laboratory Pharma Cosmetic Polen.

Release:

dr. M.J. Vincenten - van Maanen

Pharmacist - Qualified Person

02/24/20

Expiration: 12-2022

Conclusion: APPROVED

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