

TEST REPORT



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Name of the client: USA Medical Kft.
Address: 2040 Budaörs, Puskás Tivadar út 10.

ÉMI-TÜV SÜD Kft.
Central Laboratory
KERMI Department

Budapest, 05 03 2021

Test report No.: R-1673413/5

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Date of application: 15 02 2021

Name of test samples: USA Medical Oral Care Hemp oil Blend
3000 Orange Flavored

Subject of application: Oral care oil tests according to the
Applicant request.

Receipt date of test samples: 17 02 2021

Testing period: 17 02 2021- 05 03 2021

Remark: The result relates only to the items tested

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Name of test samples:

**USA Medical Oral Care Hemp oil Blend
3000 Orange Flavored**



The samples were submitted by the Applicant.

Test results:

1. Physical, chemical tests

Test parameters	Test results	Test method
	USA Medical Oral Care Hemp oil Blend 3000 Orange Flavored	
Outer:	Intense orange colour, oily texture, liquid with a characteristic odour of raw materials.	MSZ 11433-3:1982 (standard withdrawn)
Dry matter content, % w/w	97,2 ± 5 rel. %	MSZ 11433-14:1983 (standard withdrawn)
pH (tested in solution 1%):	6,4 ± 0,1	MSZ 11433-4:1982 (standard withdrawn)
Fat content, % (m/m)	96,8 ± 5 rel. %	MSZ 11433-5:1983 (standard withdrawn)
Fat saponification number, mg KOH/g	232,6 ± 5 rel. %	MSZ 11433-5:1893* (standard withdrawn)
Heat stability: 37 °C, 120 hours:	No change.	MSZ 11437:1988 (standard withdrawn)

*Non-accredited method.

2. Heavy metal content

Vizsgálati módszer: ICP-MS; MSZ EN ISO 17294-2:2017

Test parameters	Test results ± 10 rel. %	Requirement Bundesamt für Verbraucherschutz und Lebensmittelsicherheit (BVL) 2016
	USA Medical Oral Care Hemp oil Blend 3000 Orange Flavored	
Lead (Pb), mg/kg	<0,1	<2 mg/kg
Cadmium (Cd), mg/kg	<0,1	<0,1 mg/kg
Antimony (Sb), mg/kg	<0,1	<0,5 mg/kg
Arsenic (As), mg/kg	<0,2	<0,5 mg/kg
Mercury (Hg), mg/kg	<0,1	<0,1 mg/kg

LOQ : Pb, Cd, Sb, Hg: 0,1 mg/kg; As: 0,2 mg/kg.



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3. Microbiological tests

Sample preparation: MSZ EN ISO 21148:2017

Microbiological parameters	Test results CFU/g	Requirements	Test method
	USA Medical Oral Care Hemp oil Blend 3000 Orange Flavored	MSZ EN ISO 17516:201*	
Total Aerobic Mesophilic microorganisms	<10	$\leq 1 \times 10^{3^*}$	MSZ EN ISO 21149:2017
Yeast and mould	<10		MSZ EN ISO 16212:2017
Staphylococcus aureus:	negative	negative	MSZ EN ISO 22718:2016
Pseudomonas aeruginosa:	negative	negative	MSZ EN ISO 22717:2016
Escherichia coli:	negative	negative	MSZ EN ISO 21150:2016
Candida albicans:	negative	negative	MSZ EN ISO 18416:2016

* Total count of Total Aerobic Mesophilic microorganisms and Yeast and mould count

Evaluation:

Heat stability, heavy metal content: Pass

Microbiological test: Pass

The tested samples are waste and accordingly are disposed.

ÉMI-TÜV SÜD Kft.
KERMI Department

Zita Nagy
Expert



ÉMI-TÜV SÜD Kft.
KERMI Osztály

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