

# 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-1673413/4

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**Date of application:** 15 02 2021

**Name of test samples:** USA Medical Oral Care Hemp oil Blend  
1000 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  
1000 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<br>1000 Orange Flavored                              |   |
| Outer:                               | Intense orange colour, oily texture, liquid with a characteristic odour of raw materials. | MSZ 11433-3:1982<br>(standard withdrawn)  |
| Dry matter content, % w/w            | 97,0 ± 5 rel. %   | MSZ 11433-14:1983<br>(standard withdrawn) |
| pH (tested in solution 1%):          | 6,7 ± 0,1   | MSZ 11433-4:1982<br>(standard withdrawn)  |
| Fat content, % (m/m)                 | 96,7 ± 5 rel. %   | MSZ 11433-5:1983<br>(standard withdrawn)  |
| Fat saponification number, mg KOH/g  | 207,0 ± 5 rel. %  | MSZ 11433-5:1893*<br>(standard withdrawn) |
| Heat stability: 37 °C,<br>120 hours: | No change.  | MSZ 11437:1988<br>(standard withdrawn)    |

\*Non-accredited method.

### **2. Heavy metal content**

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

| Test parameters      | Test results<br>± 10 rel. %                                  | Requirement<br>Bundesamt für Verbraucherschutz und Lebensmittelsicherheit<br>(BVL) 2016 |
|----------------------|--|---|
|                      | USA Medical Oral Care Hemp oil Blend<br>1000 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<br>CFU/g   | Requirements             | Test method           |
|---|---|--------------------------|-----------------------|
|   | USA Medical Oral<br>Care Hemp oil<br>Blend<br>1000 Orange<br>Flavored | MSZ EN ISO<br>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.  
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