

# Endoca Certificate of Analysis:

Endoca BV  
 Siriusdreef 17 2132 WT Hoofddorp EU  
 Phone: +31-238-080-104  
 info@endoca.com  
 www.endoca.com  
 ISO 22000 certified  
 HACCP certified; GMP certified

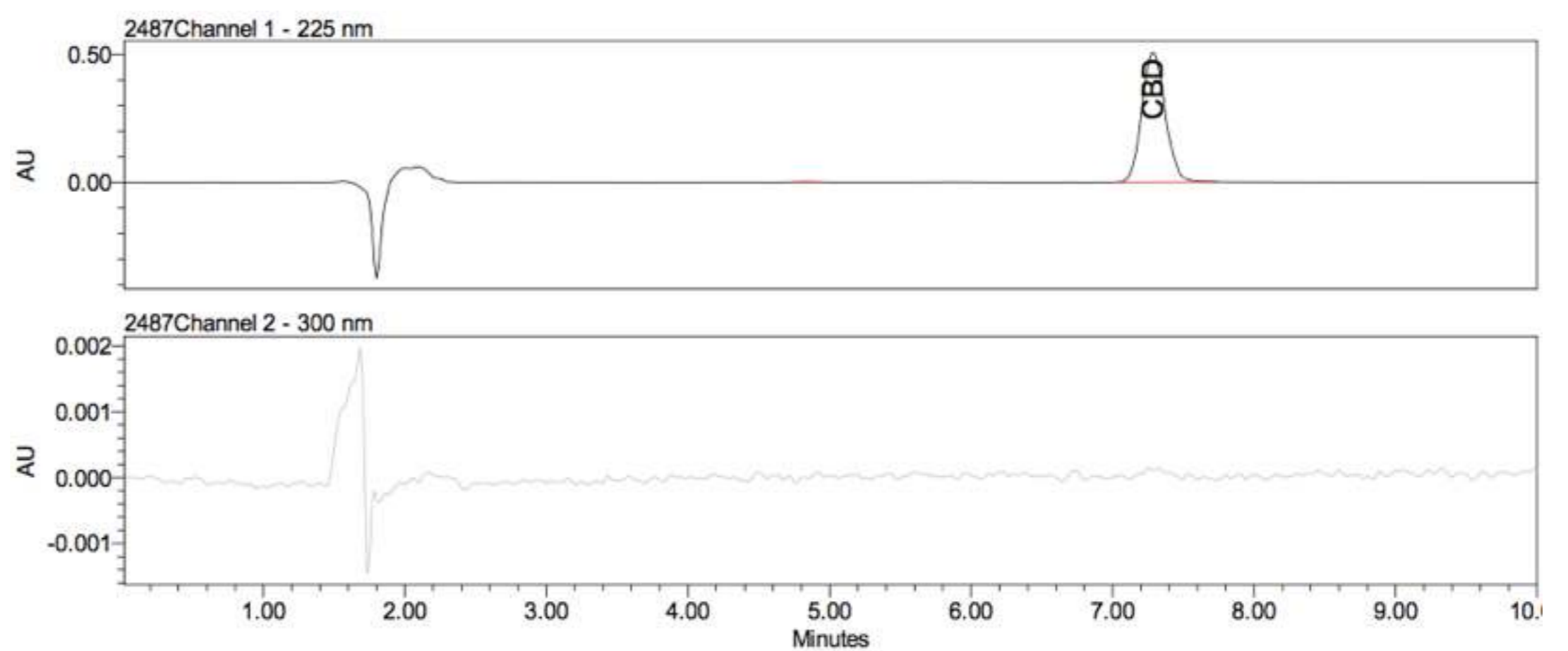
Responsible Supervisor:	Martin V.
Sample	Batch# 1412
Date samples received:	12-August 2019
Date analysis began:	12-August 2019
Date sample report produced:	22-August 2019
Expiry date :	August 2021
Sample Mass	1 g

## Total CBD 99.11% Cannabinoid Profile:

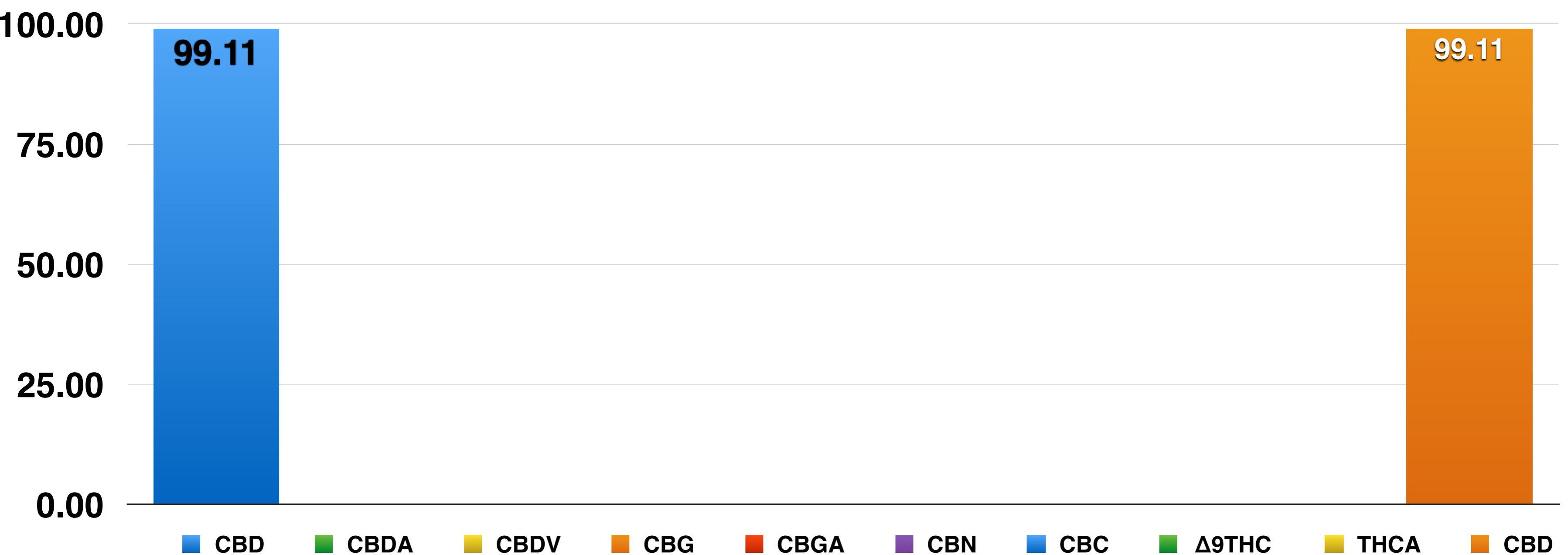
Component	Mass (%)	Amount (mg/g)
CBD	99.11	991.10
CBDA	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBG	<LOQ	<LOQ
CBGA	<LOQ	<LOQ
CBN	<LOQ	<LOQ
CBC	<LOQ	<LOQ
Δ9THC	<LOQ	<LOQ
THCA	<LOQ	<LOQ
CBD	99.11	991.10

LOQ - Limit of Quantitation

## HPLC-UV Analysis Method



## Cannabinoids as Percent of Total Mass



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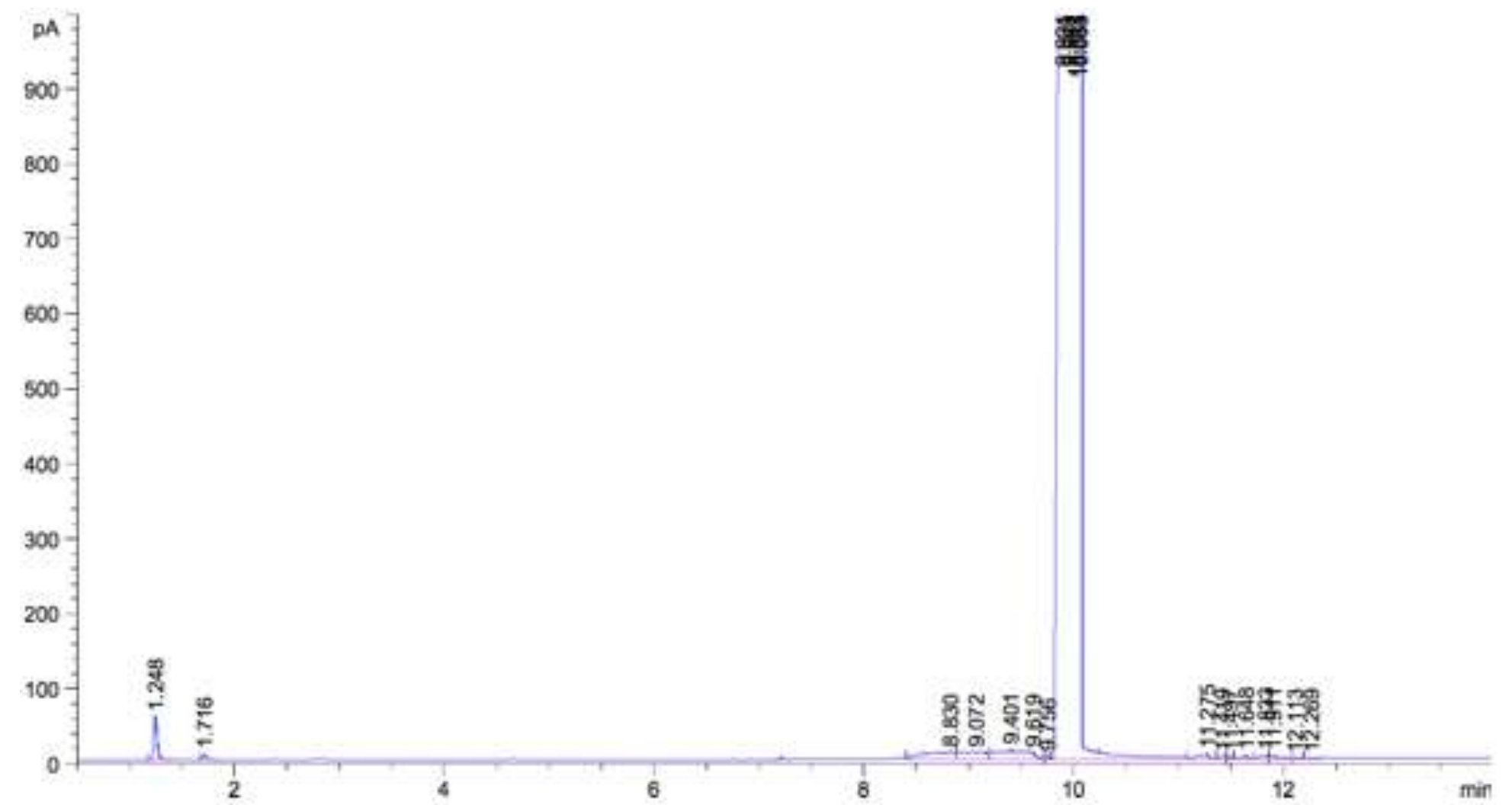
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## Residual Solvents Profile:

Component	Amount ppm
Methanol	<10
Ethanol	<10
Hexane	<10
Ethylacetate	<10
Isopropanol	<10
Acetone	<10
Acetonitrile	<10
Toluene	<10
Dichlormethane	<10
Chloroform	<10
Ethylbenzene	<10
Xylene	<10

## HS-GC-FID Analysis Method



## Terpenoid Distribution

- $\beta$ -Caryophyllene
- $\alpha$ -Humulene
- Caryophyllene oxide
- Myrcene
- $\alpha$ -Pinene
- Terpinolene
- Humulene epoxide II
- Limonene
- $\beta$ -Pinene
- E- $\beta$ -Ocimene
- Sabinene
- Linalool

4

3

2

1

0

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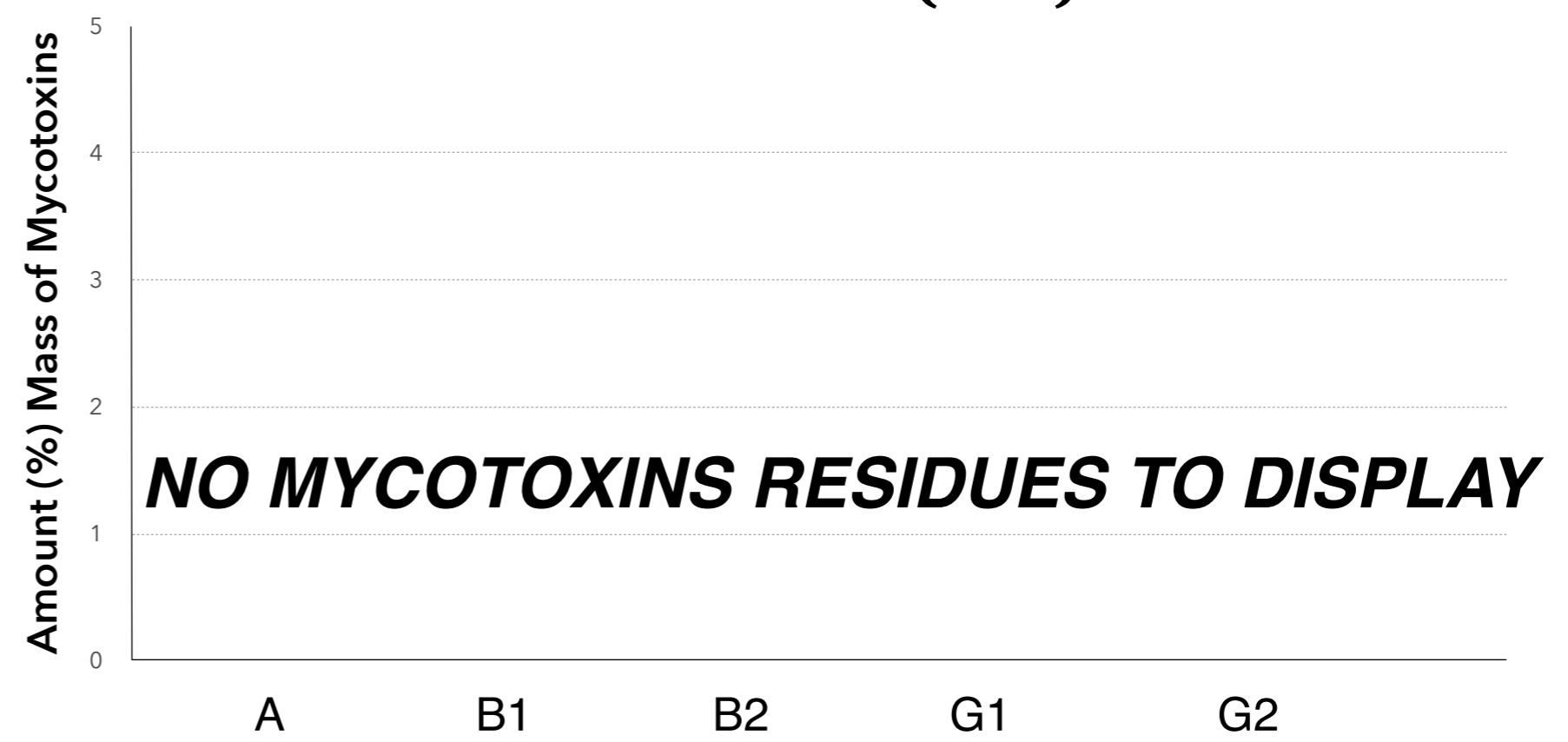
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## Microbial Profile:

Component	Results
<i>Listeria m.</i>	1 g ND*
<i>Escherichia c.</i>	1 g ND*
<i>Salmonella</i>	25 g ND*
Yeast	1 g ND*
Mould	1 g ND*

\*ND - Not detected

## All Mycotoxins at Non Detectable (ND) levels



## Nutrition Facts

Component	%
Moisture and volatile matter content	ND*
Protein content	ND*
Total fat content	ND*
Carbohydrates content	ND*
Total Fiber content	ND*
Total sugars content	ND*
Total ash content	ND*

\*ND - Not detected

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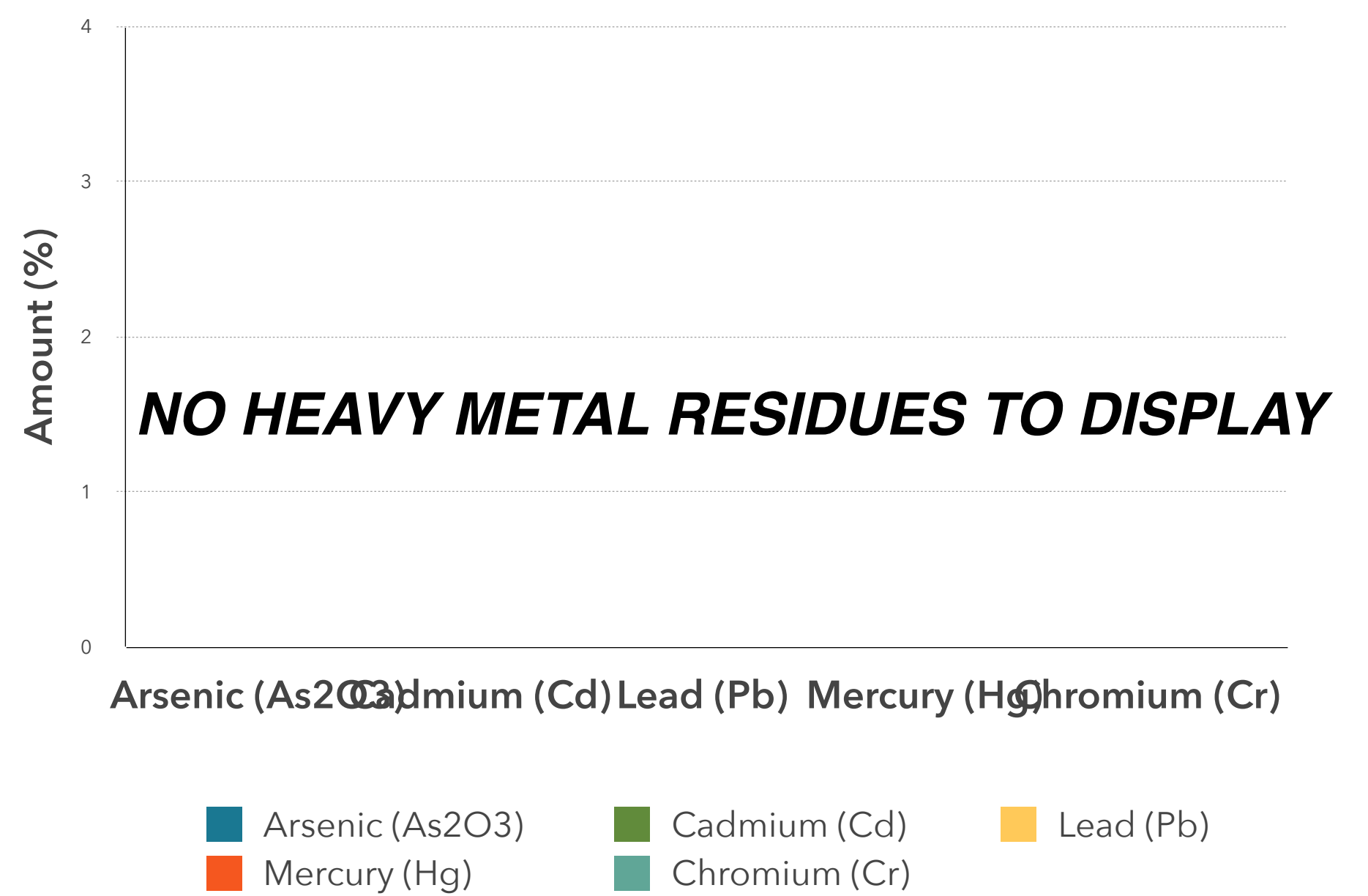
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 Sample Mass: 1 g

## Heavy Metals Profile:

Component	Mass (%)	Amount (ppm)	Limit** (ppm)
Arsenic (As <sub>2</sub> O <sub>3</sub> )	ND*	< 0.1	< 0.1
Cadmium (Cd)	ND*	< 0.1	< 0.1
Lead (Pb)	ND*	< 0.1	< 0.1
Mercury (Hg)	ND*	< 0.1	< 0.1
Chromium (Cr)	ND*	< 1	< 1
Tin (Sn)	ND*	< 10	< 10

\*ND - Not detected, \*\*Codex STAN 193-1995, GB 2762, EC No. 1881/2006, FDA

## All Heavy Metals at Non Detectable (ND) levels



## Conclusions:

**No heavy metal residues detected.**

**No flammable residues detected.**

**No chemical residues detected.**