

**Hemp Hearts Extra Strength**

<b>Batch ID:</b>	Hemp Hearts Extra Strength	<b>Test ID:</b>	T000155545
<b>Matrix:</b>	Finished Product	<b>Received:</b>	08/04/2021 @ 11:32 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	8/5/2021
<b>Method:</b>	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	<b>Reported:</b>	8/9/2021

**MICROBIAL CONTAMINANTS**

Contaminant	Method	LOD	LLOQ	ULOQ	Result
<b>Total Aerobic Count*</b>	TM-26 Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	<b>None Detected</b>
<b>Total Coliforms*</b>	TM-27 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>Total Yeast and Molds*</b>	TM-24 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>E. coli</b>	TM-28 Culture Plating	1 CFU/g	NA	NA	<b>Absent</b>
<b>E. coli (STEC)</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>
<b>Salmonella</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>

\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

**NOTES:**

Free from visual mold, mildew, and foreign matter

**DEFINITIONS:**

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

**FINAL APPROVAL**

*Brianne Maillot*  
 Brianne Maillot  
 9-Aug-2021  
 12:36 PM

PREPARED BY / DATE

*Sarah Henning*  
 Sarah Henning  
 9-Aug-2021  
 3:14 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



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