

ARCTOPIC Joint Cream 4oz and 2 oz

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|------------------|---|------------------|-----------------------|
| Batch ID: | C-811-9-21-1 | Test ID: | T000172495 |
| Matrix: | Finished Product | Received: | 10/29/2021 @ 11:30 AM |
| Test: | Microbial Contaminants | Started: | 11/1/2021 |
| Method: | TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating) | Reported: | 11/7/2021 |

MICROBIAL CONTAMINANTS

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

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

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 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


 Brett Hudson
 11/7/2021
 9:13:00 AM

PREPARED BY / DATE


 Courtney Richards
 11/7/2021
 11:03:00 AM

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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