

Premium CBD Labs, LLC

2821 Dairy Dr, Madison, WI 53718

Email: lab@premiumcbd labs.com

Ph: 608.6309282

Seed Germination Rate Testing

Final Results

Client Name: Trilogene Seeds
959 Wolf Creek Dr
Longmont, CO 80504
Email: Jen@Trilogenseeds.com

Sample Received: 02/12/2021
of Seeds Tested: 400
Samples Tested By: JJC/MND
Client ID: S06AA-0175

Hemp Seed Germination Rate Testing

Test Date: 02/15/2021-02/22/2021
Seed Name: *Cannabis sativa* – Hemp Seed;
Date Report Completed: 02/24/2021

Accession Number: 210430005
Sample ID: Auto Bot
Batch/Lot: 0121IHABNG

Results:



AOSA Modified Between Blotters Method
95% (381) of Seeds Germinated
(0) Cracked or Aborted Growth
(0) Abnormal Growth
(381) Normal Growth

5% (19) of Seeds did not Germinate
(0) Seeds were Moldy
(0) Seeds had mold and Germinated

Results Interpretation: Seed germination – In seed laboratory practice, germination is defined as the emergence and development from the seed embryo of those essential structures that, for the kind of seed in question, are indicative of the ability to produce a normal plant under favorable conditions.

Methodology:

Modified Between Blotters Method – Seeds were placed between two layers of pre-wetted, sterile, 3MW blotting paper in a 48 well plate. Seeds were incubated for 7 days at 22.4°C (22.1-22.7 °C). Relative humidity in incubator was 99%. Plates were checked daily and water added to blotters as needed to keep them damp. Upon completion of the test, all samples were removed from plate for inspection, results recorded, and samples destroyed and disposed of.

Limitations: This test is based on AOSA-Rules for Testing Seeds Volume 1. Principles and Procedures; Section 6: Germination Tests; 2018. Hemp seed germination standards have not yet set by the USDA and adaptations to current methods have been made. Different strains may germinate at different rates or at different speeds. If a strain takes longer than 10 days to germinate the test could result in artificially low rates.

Test developed and characteristics determined by Premium CBD Labs, LLC.

Results Verified By: Megan Duster-Matz, MT(ASCP)	Signature: 	Date: 02/24/2021
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