



EMERALD TEST

INTER-LAB COMPARISON &
PROFICIENCY TEST
877-567-3598
emeraldtest.com



Digamma
Consulting

www.digammaconsulting.com

Spring 2023 **Microbial** Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: $z < +/-3$

Contents

<u>Summary of Statistical Data</u>	p. 2
<u>Raw Data Table</u>	p. 3
<u>Percent Recovery Data Table</u>	p. 4
<u>Z-Score Data Table</u>	p. 5
<u>Z-Score Graph</u>	p. 6
<u>Gaussian Normal Distribution Plots</u>	p. 8

TERMS AND CONDITIONS OF USE

Emerald Test™ does not grant exclusive use rights with respect to this material. Emerald Test™ should be acknowledged as the source of its material. It is unlawful to falsely claim copyright or other rights in Emerald Test™ material. All rights reserved. This document or parts thereof may not be reproduced in any form, stored in any retrieval system, or transmitted in any form by any means—electronic, mechanical, photocopy, recording, or otherwise—without prior written permission of the publisher, except as provided by United States of America copyright law.



EMERALD TEST

INTER-LAB COMPARISON &
PROFICIENCY TEST
877-567-3598
emeraldtest.com



Digamma
Consulting

www.digammaconsulting.com

Spring 2023 **Microbial** Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: z<+/-3

Summary of Statistical Data

Component	Consensus Mean	Standard Deviation	Deviation %	Assigned Value	Mean Recovery %
Enterobacteriaceae	45968.75	14216.6	31.73	44809.21	102.59

Component	# Accepted	% Accepted	# Not Accepted	% Not Accepted	# Outliers	# Participants
Enterobacteriaceae	19	95.0	1	5.0	0	20



Spring 2023 **Microbial** Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: z<+/-3

Raw Data Tables

Analyst No.	Enterobacteriaceae cfu/g
5229	45000
5310A	50000
5310B	58000
5451	68000
5462	24021
5463	24021
5466	35400
5567	39500
5612	31000
5615	54500
5624	31667
5626	42000
5644	55115
5656	60500
5657	42000
5685	55833
5693	38300
5699	50000
5704	37000
5713	77518



Spring 2023 **Microbial** Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: z<+/-3

Percent Recovery Data Table

Analyst No.	Enterobacteriaceae
5229	100.04
5310A	101.02
5310B	102.41
5451	103.89
5462	94.18
5463	94.18
5466	97.8
5567	98.82
5612	96.56
5615	101.83
5624	96.76
5626	99.4
5644	101.93
5656	102.8
5657	99.4
5685	102.05
5693	98.53
5699	101.02
5704	98.21
5713	105.12



Spring 2023 **Microbial** Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: z<+/-3

Z-Score Data Table

Analyst No.	Enterobacteriaceae
5229	0.08
5310A	0.42
5310B	0.9
5451	1.4
5462	-1.93
5463	-1.93
5466	-0.69
5567	-0.33
5612	-1.11
5615	0.7
5624	-1.04
5626	-0.14
5644	0.73
5656	1.03
5657	-0.14
5685	0.77
5693	-0.43
5699	0.42
5704	-0.54
5713	1.82



EMERALD TEST

INTER-LAB COMPARISON &
PROFICIENCY TEST
877-567-3598
emeraldtest.com



Digamma
Consulting

www.digammaconsulting.com

Spring 2023 Microbial Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

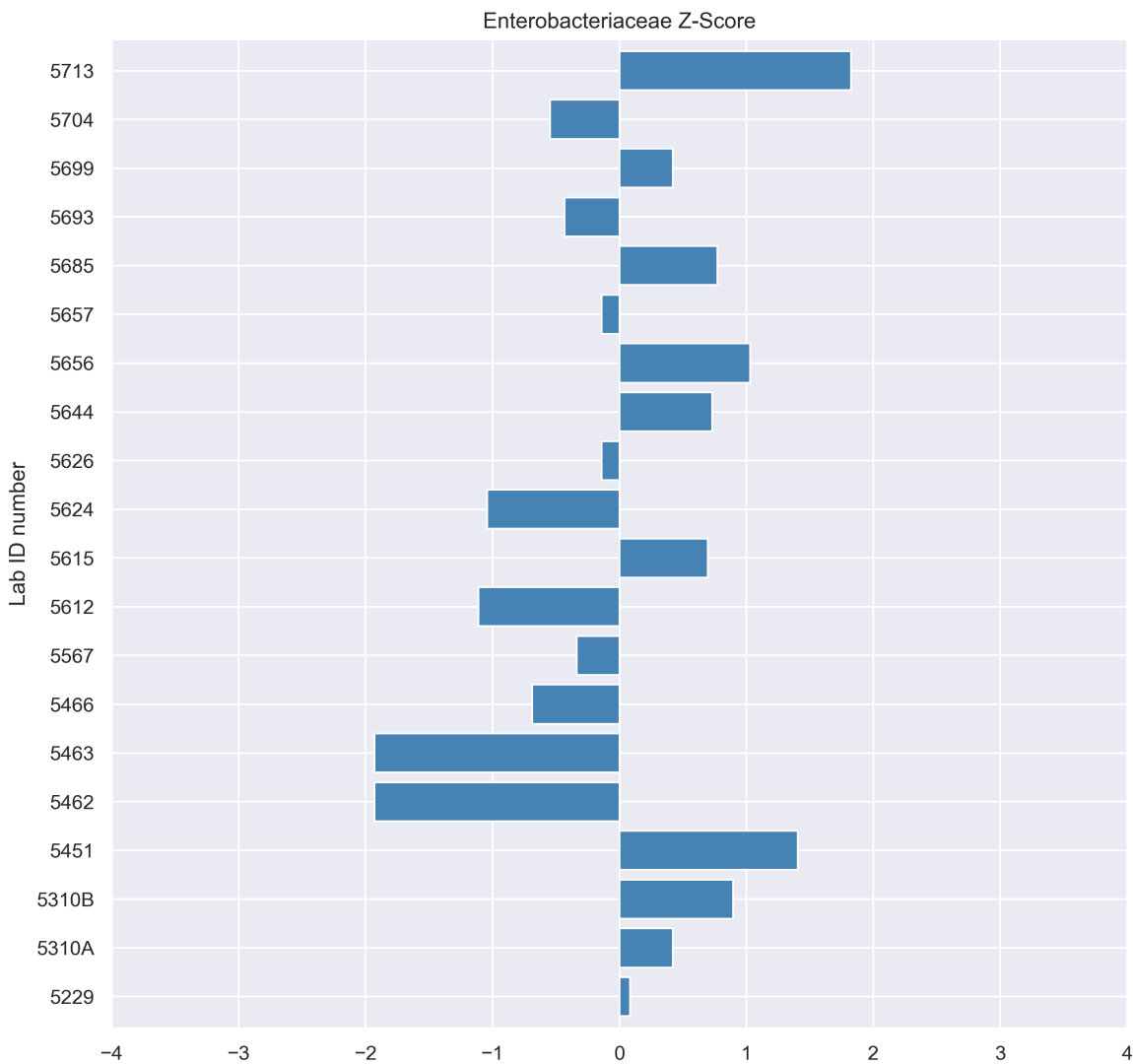
20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: $z < +/-3$

Z-Score Graph





Spring 2023 **Microbial** Analysis Test - 19

“Enterobacteriaceae in Hemp” [#CMPT-010-EB]

20 participating laboratories

1 analyte of interest

Matrix: Hemp Bud

Acceptance Criteria: $z < +/-3$

Gaussian Normal Distribution Plots

