



ME H4B Microencapsulated Canine Heritage Blend 4

PRODUCT INFORMATION

Thermal stable microencapsulated co-fermented blend of species-specific probiotics: *Lactocaseibacillus casei*, *Limosilactobacillus fermentum*, *Levilactobacillus brevis*, and *Enterococcus faecium*. The product to be used as a zootechnical feed additive (as an including ingredient in combination with prebiotics) to support intestinal microbiome health, enhance the immune system, strengthen the intestinal barrier, increase production of SCFA, and defend against pathogenic bacteria.

Physical Appearance

Freeze dried powder, white to beige in color.

Processing Methods

Processing methods include inclusion into pet foods (kibble, cookies, baked treats) and tinctures.

Processing Method	Parameters
Kibble Production	30s-120s @ 115°C (239°F)
Baked Treat	8 hours @ 90°C (194°F)
Baked Cookie	35 min @ 121°C (250°F oven, 190°F internal)
Liquid Topper	Suspended in Oil Based Medium
Gummies	1-1.5 hrs @ 100°C (212°F), then 30-40 min @ 80°C (176°F)


Shelf Stability

Freeze dried powder is shelf stable for 24 months*. Shelf stability when incorporated into pet food/treats is 12 months from date of manufacture when stored at ambient temperature.

* when stored at refrigerated temperatures


Example Inclusion Rate

Example inclusion rate in companion animal pet food is 0.1% with a CFU/serving range of 100MM to 2B CFU.



Dog Weight	Daily Serving Amount
5-15 LBS (2.27-6.80 kg)	1/2 - 1 1/2 Cup
16-30 LBS (6.81-13.61 kg)	1 1/2 - 3 Cups
31-60 LBS (13.62-27.22 kg)	3 - 6 Cups
61+ LBS (27.23 kg+)	6+ Cups

Serving Size: 1 cup (4oz)



Cat Weight	Daily Serving Amount
1-5 LBS (0.45-2.27 kg)	1/4 - 1/3 Cup
6-11 LBS (2.28 -5.30 kg)	3/8 - 1/2 Cup
12 LBS+ (5.40 kg+)	1/2 - 3/4 Cup

Serving Size: 1/2 Cup (2oz)

Certificates and Licenses



The above certificate of analysis is presented in good faith and the information contained on it is believed to be accurate but should not be interpreted as a guarantee. The verification and use of the information shall be the responsibility or risk of the party using the information/product. CanBiocin Inc. disclaims any liability incurred in connection with the use of this information/product. All precautionary labels and notices should be read and understood by all supervisory personnel before using. The data contained herein should not be interpreted as permission to use any existing patent.