

Name of Laboratory : Laboratory of K.M.P. BIOTECH CO., LTD.
Address : 188/9 Moo 2, Tambon Klongtumru, Amphoe Mueang,
Changwat Chon Buri 20000
Accreditation Number : Testing - 0014
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Initial Issue Date : 16th October 2006
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Expired date : 18th May 2026
Standard : ISO/IEC 17025:2017
Reference No. : 0303/19413

Scope of Testing Laboratory Accreditation

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1	Feed - Probiotics Powder	- <i>Bacillus</i> spp. CFU/g - Mesophilic lactic acid bacteria CFU/g - Yeasts and moulds CFU/g - Presumptive <i>E. coli</i> MPN/g - <i>Salmonella</i> spp. Detected or not detected/25 g	BS EN 15784 : 2021 ISO 15214 : 1998 ISO 21527-2 : 2008 ISO 7251 : 2005 ISO 6579-1 : 2017/ Amd.1 : 2020

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Feed - Probiotics Powder	- Coliforms MPN/g - Total plate count CFU/g - <i>Enterococcus (E. faecium) spp.</i> CFU/g - <i>Staphylococcus aureus</i> Detected or not detected/ 1 g or 0.1 g	ISO 4831 : 2006 ISO 4833-1 : 2013/ Amd.1 : 2022 BS EN 15788 : 2021 ISO 6888-3 : 2003

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Feed - Probiotics Powder	- <i>Clostridium perfringens</i> CFU/g	ISO 7937 : 2004
		- <i>Pediococcus</i> spp. CFU/g	BS EN 15786 : 2021
		- <i>Lactobacillus</i> spp. CFU/g	BS EN 15787 : 2021
	- Probiotics Liquid	- <i>Bacillus</i> spp. CFU/mL	BS EN 15784 : 2021
		- Mesophilic lactic acid bacteria CFU/mL	ISO 15214 : 1998

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1 (cont.)	Feed - Probiotics Liquid	- Yeasts and moulds CFU/mL - Presumptive <i>E. coli</i> MPN/mL - <i>Salmonella</i> spp. Detected or not detected/25 mL - Coliforms MPN/mL - Total plate count CFU/mL	ISO 21527-1 : 2008 ISO 7251 : 2005 ISO 6579-1 : 2017/ Amd.1 : 2020 ISO 4831 : 2006 ISO 4833-1 : 2013/ Amd.1 : 2022

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1 (cont.)	Feed - Probiotics Liquid	- <i>Enterococcus (E. faecium) spp.</i> CFU/mL - <i>Staphylococcus aureus</i> Detected or not detected/ 1 mL or 10 mL - <i>Clostridium perfringens</i> CFU/mL - <i>Pediococcus spp.</i> CFU/mL - <i>Lactobacillus spp.</i> CFU/mL	BS EN 15788 : 2021 ISO 6888-3 : 2003 ISO 7937 : 2004 BS EN 15786 : 2021 BS EN 15787 : 2021

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
2	Water	- <i>Salmonella</i> spp. Detected or not detected/100 mL - <i>Clostridium perfringens</i> CFU/100 mL - Coliforms MPN/100 mL - <i>E. coli</i> MPN/100 mL	ISO 19250 : 2010 Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials, 2015, part 6, B, UK Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023 part 9221 B Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023 part 9221 B, G

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2 (cont.)	Water	- Heterotrophic plate count CFU/mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 24 th ed., 2023 part 9215 B
3	Animal faeces	- <i>Salmonella</i> spp. Detected or not detected/25 g	ISO 6579-1 : 2017/ Amd.1 : 2020
4	Environmental samples from the primary production stage - Cloacal swab - Drag swab - Boot swab - Surface swab - Egg shell - Feather - Litter - Hatcher basket liner	- <i>Salmonella</i> spp. Detected or not detected /test portion	ISO 6579-1 : 2017/ Amd.1 : 2020

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5	Food - Probiotics Powder	- Mesophilic lactic acid bacteria CFU/g - Yeasts and Moulds CFU/g - <i>Salmonella</i> spp. Detected or not detected/25 g - Coliforms MPN/g - <i>E.coli</i> MPN/g	ISO 15214 : 1998 ISO 21527-2 : 2008 ISO 6579-1 : 2017/ Amd.1 : 2020 FDA Bacteriological Analytical Manual online, Chapter 4, July 2017

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5 (cont.)	Food - Probiotics Powder	- Total plate count CFU/g	ISO 4833-1 : 2013/ Amd.1 : 2022
		- <i>Enterococcus</i> spp. CFU/g	Compendium of Methods for the Microbiological Examination of Foods, 5 th ed., 2015, chapter 10
	- Probiotics Liquid	- Mesophilic lactic acid bacteria CFU/mL	ISO 15214 : 1998
		- Yeasts and Moulds CFU/mL	ISO 21527-1 : 2008
		- <i>Salmonella</i> spp. Detected or not detected/25 mL	ISO 6579-1 : 2017/ Amd.1 : 2020

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5 (cont.)	Food - Probiotics Liquid	- Coliforms MPN/mL - <i>E.coli</i> MPN/mL - Total plate count CFU/mL - <i>Enterococcus</i> spp. CFU/mL	FDA Bacteriological Analytical Manual online, Chapter 4, July 2017 ISO 4833-1 : 2013/ Amd.1 : 2022 Compendium of Methods for the Microbiological Examination of Foods, 5 th ed., 2015, chapter 10

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