

**JABATAN KIMIA MALAYSIA  
PROFICIENCY TESTING PROGRAMME**

**MICROTEST 1-19  
Year 2019**

**Aerobic Plate Count in Milk Powder**

**KIMIA PT Report No. 15/2019**

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## ACKNOWLEDGEMENTS

This proficiency testing programme was conducted by Quality Management and Research Centre of Department of Chemistry Malaysia, Petaling Jaya in collaboration with Biotechnology Division of Department of Chemistry Malaysia, Petaling Jaya.

We would like to thank the management and staff of the participating laboratories for their support towards this programme.

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Date: 19<sup>th</sup> September 2019

## SUMMARY

This proficiency testing programme was conducted in July – August 2019. A total of one hundred and eight (108) participants from laboratories in Malaysia participated in this PT scheme. A set of two PT items labelled as MICROTEST 1-19 “Item A” and “Item B” was dispatched to the participating laboratories and only one hundred and five (105) participants had submitted their results.

Results for this study are summarised as follows:

PT Item	Testing Parameter	Assigned value (cfu/g)	Expanded Uncertainty (cfu/g)	Number of scores, $ z  \leq 2.0$	Total number of responses	% $ z  \leq 2.0$
Item A & Item B	Aerobic Plate Count	4.243 log <sub>10</sub> cfu/g (17498 cfu/g)	0.128	80	105	76

*The expanded uncertainties are based on coverage factor,  $k = 2$  for 95% confidence level.*

