

**JABATAN KIMIA MALAYSIA
PROFICIENCY TESTING PROGRAMME**

**FODAS 1-19
Year 2019**

Benzoic Acid and Sorbic Acid in Cordial

KIMIA PT Report No. 3/2019

April 2019



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ACKNOWLEDGEMENTS

This proficiency testing programme was conducted by Quality Management and Research Centre in collaboration with Food Quality 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.

Approved signatory,

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This report was authorized by
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Date: 22nd April 2019

SUMMARY

This proficiency testing programme was in February - March 2019. A total of forty-two (42) participants from laboratories in Malaysia participated in this PT scheme. A set of two PT items labelled as FODAS 1-19 "Item A" and "Item B" was dispatched to the participating laboratories and forty-one (41) participants had submitted their results.

Results for this study are summarised as follows:

PT Item	Testing Parameter	Assigned value (mg/kg)	Expanded Uncertainty (mg/kg)	Number of scores, $ z \leq 2.0$	Total number of responses	% $ z \leq 2.0$
Item A	Benzoic Acid	522	4	39	41	95
	Sorbic Acid	43	1	31	39	79
Item B	Benzoic Acid	482	5	39	41	95
	Sorbic Acid	275	4	35	39	90

The expanded uncertainties are based on an estimated confidence probability of not less than 95% and have a coverage factor of $k = 2$