

**JABATAN KIMIA MALAYSIA  
PROFICIENCY TESTING PROGRAMME**

**KATEST 2-19  
Year 2019**

**Industrial Hygiene: Lead in Air**

**KIMIA PT Report No. 7/2019**

June 2019



**Jabatan Kimia Malaysia  
Jalan Sultan  
46661 Petaling Jaya, Selangor  
MALAYSIA  
Tel: 603-79853000  
Fax: 603-79853014  
<http://ptos.kimia.gov.my>**

## ACKNOWLEDGEMENTS

This proficiency testing programme was conducted by Quality Management and Research Centre in collaboration with Occupational Safety and Health (OSH) Section 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,

Li Hui Ling

Head of Proficiency Testing Section  
Chemical Metrology Division  
Department of Chemistry Malaysia  
46661 Petaling Jaya  
Selangor  
MALAYSIA

Tel: 603-79853163

Fax: 603-79853014

Email: [lhling@kimia.gov.my](mailto:lhling@kimia.gov.my)

This report was authorized by  
Director of Chemical Metrology Division  
Khairul Anuar bin Abdul Aziz  
Date: 12<sup>th</sup> June 2019

## SUMMARY

This proficiency testing programme was conducted in April – May 2019. A total of eighteen (18) participants from laboratories in Malaysia participated in this PT scheme. A set of two PT items labelled as KATEST 2-19 “Item A” and “Item B” was dispatched to the participating laboratories and all of them had submitted their results.

Results for this study are summarised as follows:

PT Item	Testing Parameter	Assigned value ( $\mu\text{g}$ )	Expanded Uncertainty ( $\mu\text{g}$ )	Number of scores, $ z  \leq 2.0$	Total number of responses	% $ z  \leq 2.0$
Item B	Lead	41.9	4.0	13	18	72.2

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

