

Name of Laboratory : Reference Laboratory and Toxicology Center,  
Division of Occupational and Environmental Diseases,  
Department of Disease control

Address : Research and Laboratory Development Center, 4<sup>th</sup> Floor,  
Soi Srithanya Hospital, Tiwanon Road, Tambon Talad Khan,  
Amphoe Mueang, Changwat Nonthaburi 11000

Accreditation Number : Testing - 0199

Contact Person : Ms Patpida Siripongpokin  
Phone : 02 9687633, 089 2153869  
Fax : 02 9687631  
E-mail : patpida.s@hotmail.com

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Standard : ISO/IEC 17025:2017

Reference No. : 0303/3473

## Scope of Testing Laboratory Accreditation

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Accreditation Number : Testing - 0199

Laboratory Status : ☒ Permanent ☐ Site ☐ Temporary ☐ Mobile

| Item Number | Test Material / Product | Test Item / Range of Testing   | Test Method / Technique Used   |
|-------------|-------------------------|--|--|
| 1           | Workplace air           | - Benzene<br>3.3 µg/tube to 169.4 µg/tube<br>- Ethylbenzene<br>3.3 µg/tube to 167.1 µg/tube<br>- Toluene<br>3.3 µg/tube to 168.6 µg/tube<br>- Total xylene<br>o-xylene<br>3.3 µg/tube to 169.0 µg/tube<br>m-xylene<br>3.2 µg/tube to 165.5 µg/tube<br>p-xylene<br>3.3 µg/tube to 166.7 µg/tube | In - house method : WI-702-01<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 1501 (Exclude sampling) |

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| Item Number  | Test Material / Product | Test Item / Range of Testing  | Test Method / Technique Used   |
|--------------|-------------------------|---|--|
| 1<br>(cont.) | Workplace air           | - Methyl Ethyl Ketone<br>3.2 µg/tube to 160.8 µg/tube<br><br>- Isopropyl alcohol<br>4.6 µg/tube to 156.6 µg/tube<br><br>- Ethanol<br>4.6 µg/tube to 157.6 µg/tube<br><br>- Phenol<br>0.7 µg/tube to 216.8 µg/tube | In - house method : WI-702-09<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 1, 2003, NMAM method 2555 (Exclude sampling)<br><br>In - house method : WI-702-09<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 1400 (Exclude sampling)<br><br>In - house method: WI-702-02<br>based on NIOSH Manual of Analytical Method, 4 <sup>th</sup> ed. Issue 1, 1994, NMAM method 2546 (Exclude sampling) |

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| Item Number  | Test Material / Product | Test Item / Range of Testing  | Test Method / Technique Used   |
|--------------|-------------------------|---|--|
| 1<br>(cont.) | Workplace air           | - Silica<br>1.5 µg/L to 30.4 µg/L<br><br>- Lead<br>1.1 mg/L to 15.0 mg/L<br><br>- Cadmium<br>0.5 mg/L to 2.9 mg/L | In - house method : WI-702-08<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 3, 2003, NMAM method 7601 (Exclude sampling)<br><br>In - house method : WI-702-19<br>based on NIOSH Manual of Analytical Methods, 5 <sup>th</sup> ed. Issue 3, 2017, NMAM method 7082 (Exclude sampling)<br><br>In - house method : WI-702-06<br>based on NIOSH Manual of Analytical Methods, 5 <sup>th</sup> ed. Issue 3, 2017, NMAM method 7082 (Exclude sampling) |

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| Item Number  | Test Material / Product | Test Item / Range of Testing   | Test Method / Technique Used   |
|--------------|-------------------------|--|--|
| 1<br>(cont.) | Workplace air           | - Acetone<br>3.1 µg/tube to 159.5 µg/tube<br><br>- Methyl Isobutyl Ketone<br>4.7 µg/tube to 160.4 µg/tube<br><br>- Formaldehyde<br>2.0 µg/tube to 83.0 µg/tube<br><br>- Isophorone<br>0.5 µg/tube to 186.0 µg/tube | In - house method : WI-702-23<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 1, 2003, NMAM method 2555 (Exclude sampling)<br><br>In - house method : WI-702-27<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 2541 (Exclude sampling)<br><br>In - house method : WI-702-25<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 2508 (Exclude sampling) |

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| Item Number | Test Material / Product | Test Item / Range of Testing                | Test Method / Technique Used   |
|-------------|-------------------------|---|--|
| 2           | Wipe                    | - Lead<br>25.0 µg/sample to 375.0 µg/sample | In - house method : WI-702-01<br>based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 3, 2003, NMAM method 1501 (Exclude sampling) |

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