

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

Address : Research and Laboratory Development Center, 4th 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

Laboratory Name : Reference Laboratory and Toxicology Center,  
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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 3.3 µg/tube to 169.4 µg/tube - Ethylbenzene 3.3 µg/tube to 167.1 µg/tube - Toluene 3.3 µg/tube to 168.6 µg/tube - Total xylene o-xylene 3.3 µg/tube to 169.0 µg/tube m-xylene 3.2 µg/tube to 165.5 µg/tube p-xylene 3.3 µg/tube to 166.7 µg/tube	In - house method : WI-702-01 based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 1501 (Exclude sampling)

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Issue Number 4

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Laboratory Status :  Permanent  Site  Temporary  Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Workplace air	- Methyl Ethyl Ketone 3.2 µg/tube to 160.8 µg/tube  - Isopropyl alcohol 4.6 µg/tube to 156.6 µg/tube  - Ethanol 4.6 µg/tube to 157.6 µg/tube  - Phenol 0.7 µg/tube to 216.8 µg/tube	In - house method : WI-702-09 based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 1, 2003, NMAM method 2555 (Exclude sampling)  In - house method : WI-702-09 based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 1400 (Exclude sampling)  In - house method: WI-702-02 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 (cont.)	Workplace air	- Silica 1.5 µg/L to 30.4 µg/L  - Lead 1.1 mg/L to 15.0 mg/L  - Cadmium 0.5 mg/L to 2.9 mg/L	In - house method : WI-702-08 based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 3, 2003, NMAM method 7601 (Exclude sampling)  In - house method : WI-702-19 based on NIOSH Manual of Analytical Methods, 5 <sup>th</sup> ed. Issue 3, 2017, NMAM method 7082 (Exclude sampling)  In - house method : WI-702-06 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 (cont.)	Workplace air	- Acetone 3.1 µg/tube to 159.5 µg/tube  - Methyl Isobutyl Ketone 4.7 µg/tube to 160.4 µg/tube  - Formaldehyde 2.0 µg/tube to 83.0 µg/tube  - Isophorone 0.5 µg/tube to 186.0 µg/tube	In - house method : WI-702-23  based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 1, 2003, NMAM method 2555 (Exclude sampling)  In - house method : WI-702-27  based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 2, 1994, NMAM method 2541 (Exclude sampling)  In - house method : WI-702-25  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 25.0 µg/sample to 375.0 µg/sample	In - house method : WI-702-01 based on NIOSH Manual of Analytical Methods, 4 <sup>th</sup> ed. Issue 3, 2003, NMAM method 1501 (Exclude sampling)

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