

**Scope of Accreditation for Testing**  
**Certificate No. 18T150/0775**

Laboratory Name    Ogawa Asia Company Limited (Factory 2)  
Address                700/258 Moo 1, Amata City Industrail Estate, Ban Kao, Phan Thong, Chon Buri  
Accreditation No.    TESTING 0546  
Laboratory Status    ☒ Permanent    ☐ Site    ☐ Temporary    ☐ Mobile

Field of Tested	Specific Test	Test method
Automotive part field 1. Plastic coated with copper nickel and chromium	- Thermal cycle test	<ul style="list-style-type: none"> <li>- Toyota Engineering Standard : Electroplated chromium coatings for decoration : TSH 6504G Rev.9 Nov 2016</li> <li>- Isuzu Engineering Standard : Nickel chromium plating on plastic parts : ISC-B11-008B Revised on Oct 22, 2007</li> <li>- HES : General test methods for plating : D6001-04A Rev.3, Issue : 27 September 2004</li> <li>- Mazda Engineering Standard : General standard on parts (Plating) : MES CG 310H Date effective September 25, 2014</li> <li>- MMC&amp;MFTBC Standard : Decorative chrome plating standard : MS82-3702 Rev.6 Effective : Dec 13, 2010</li> <li>- Ford Engineering Performance Specification : Electroplating, Bright or low gloss decorative finish over ABS-Exterior, Low temperature applications : WSS-M1P83-D2 Rev.2, 29 October 2008</li> </ul>

Certificate No. 18T150/0775

Laboratory Status ☒ Permanent ☐ Site ☐ Temporary ☐ Mobile

Issue No. 1 Valid from 19<sup>th</sup> November B.E. 2561 (2018) Page 2/3  
Ministry of Industry, Thai Industrial Standards Institute  
Translation Note: In the event of doubt or misunderstanding, the original in Thai shall be the authoritative.

# Scope of Accreditation for Testing

Certificate No. 18T150/0775

Accreditation No. TESTING 0546

Laboratory Status ☒ Permanent ☐ Site ☐ Temporary ☐ Mobile

Field of Tested	Specific Test	Test method
Automotive part field 1. Plastic coated with copper nickel and chromium (cont.)	- CASS test	<ul style="list-style-type: none"> <li>- Isuzu Engineering Standard : Corrosion resistance test for plated parts : ISC-E00-005A Revised on Nov 28, 2000</li> <li>- Mazda Engineering standard : General standard on parts (Plating) : MES CG 310H Date effective September 25, 2014</li> <li>- Nissan Engineering Standard : Methods of CASS testing : NES M0138 [2009-N]</li> <li>- Ford Engineering Performance Specification : Electroplating, Bright or low gloss decorative finish over ABS-Exterior, Low temperature application : WSS-M1P83-D2 Rev.2, 29 October 2008</li> </ul>

Issue Date 11<sup>th</sup> February B.E. 2562 (2019)

(Signature)

(Mr. Wanchai Phanomchai)

Secretary-General,

Thai Industrial Standards Institute