

Ref. No : 10T031/0886



CERTIFICATE OF LABORATORY ACCREDITATION

This is to certify that

Testing Laboratory
Padaeng Industry Public Company Limited
94 Moo 1, Nong Bua Tai, Mueang, Tak

has successfully undergone assessment under
the Thai Laboratory Accreditation Scheme (TLAS)

Thai Industrial Standards Institute

for meeting its criteria of competence, which are in accordance with
General requirements for the competence of testing and calibration laboratories

TIS 17025 - 2548 (2005)

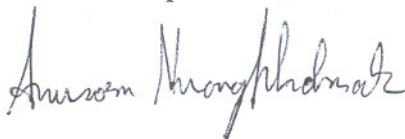
ISO/IEC 17025 : 2005

Accreditation No. TESTING 0100

The scope of accreditation is as annexed hereto.

Date of Issue : 28th April 2010

Valid until : 27th April 2013

Signature : 

(Anusorn Nuangpholmak)

Deputy Permanent Secretary for Industry
Chairman, Ministerial Cluster
for Industrial and Entrepreneurial Promotion
Chairman of Industrial Product Standards Council

Initial Date of Issue : 8th April 2003

Thai Laboratory Accreditation Scheme, Thai Industrial Standards Institute, Ministry of Industry

Scope of Accreditation for Testing

Laboratory name : Testing Laboratory
Padaeng Industry Public Company Limited
Premises : 94 Moo 1, Nong Bua Tai, Mueang, Tak
Accreditation No. : Testing 0100
Laboratory Status : Permanent Site Temporary Mobile

Item/Product Tested	Specific Test/ Range of Measurement	Standard/Test Method/ Technique Used
1. Zinc ingot	<ul style="list-style-type: none"> - Lead 0.002 3 to 0.002 4% by weight - Cadmium 0.000 7 to 0.002 1% by weight - Iron 0.000 6 to 0.001 4% by weight - Copper 0.000 6 to 0.002% by weight - Aluminum 0.001 4 to 0.010 4% by weight - Tin 0.000 6 to 0.003 8% by weight 	- In-house method : WI-LB-027 spark source optical emission spectrometry
2. Zinc alloy ingot	<ul style="list-style-type: none"> - Aluminum 3.67 to 4.21% by weight - Magnesium 0.028 8 to 0.074% by weight - Copper 0.001 9 to 1.58% by weight - Lead 0.002 2 to 0.004 6% by weight 	- In-house method : WI-LB-027 spark source optical emission spectrometry

Scope of Accreditation for Testing

Accreditation No. : TESTING 0100

Laboratory Status : Permanent Site Temporary Mobile

Item/Product Tested	Specific Test/ Range of Measurement	Standard/Test Method/ Technique Used
2. Zinc alloy ingot (cont.)	<ul style="list-style-type: none"> - Cadmium 0.000 5 to 0.004 8% by weight - Iron 0.002 4 to 0.008% by weight - Tin 0.000 6 to 0.003 0% by weight - Nickel 0.000 3 to 0.001 7% by weight - Silicon 0.004 6 to 0.015 % by weight 	<ul style="list-style-type: none"> - In-house method : WI-LB-027 spark source optical emission spectrometry
3. Zinc silicate	<ul style="list-style-type: none"> - Zinc 18 to 55% by weight 	<ul style="list-style-type: none"> - In-house method : WI-LB-119 based on ISO 12739 : 1997
4. Zinc oxide	<ul style="list-style-type: none"> - Zinc 25 to 60% by weight 	<ul style="list-style-type: none"> - In-house method : WI-LB-119 based on ISO 12739 : 1997 - In-house method : WI-LB-135 based on ISO 13658 : 2000

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Scope of Accreditation for Testing

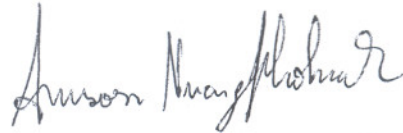
Accreditation No. : TESTING 0100

Laboratory Status : Permanent Site Temporary Mobile

Item/Product Tested	Specific Test/ Range of Measurement	Standard/Test Method/ Technique Used
5. Zinc sulfide	- Zinc 25 to 60% by weight	- In-house method : WI-LB-119 based on ISO 12739 : 1997 - In-house method : WI-LB-135 based on ISO 13658 : 2000

Date of Issue : 28th April 2010

Signature :



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