

# Certificate of Analysis "3.1.B" conform EN 10204

Date : 15.04.2007  
 Delivery note number : 3305838  
 Vessel/Voyage : ANL AUSTRALIA /V045N  
 Product Code : 3  
 Product Description : BZDA 3 SLAB

澳洲#3 成分表

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ZINIFEX METALS  
PTY LTD

CONFORMS TO THE FOLLOWING STANDARDS

Australian AS1001-1996 Zn Al 4  
 USA ASTM B240 - 88 AG40A  
 Japan JIS H2701 - 1999 Zinc Type 2  
 European EN - 1774 - 1998 Zn Al4

Zinc by difference using named alloying elements and impurities.

Assay No.	000307014006	000307014009	000307014032	000307014033	000307014034	000307014035
Bundle from	7400621	7400922	7403222	7403322	7403425	7403521
Bundle to	7400626	7400925		7403325	7403426	7403522
Zinc	95.8	95.9	95.9	95.8	95.9	95.8
Cadmium %	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Copper %	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Iron %	0.002	0.002	0.003	0.002	0.004	0.003
Indium %	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Magnesium %	0.05	0.04	0.04	0.04	0.04	0.04
Nickel %	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Lead %	0.0029	0.0029	0.0023	0.0024	0.0023	0.0023
Silicon %	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tin %	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Thallium %	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Aluminium %	4.1	4.0	4.0	4.1	4.0	4.1

(P111)  
2/12/07

101802

# SGS

## Test Report

No. EC406910300

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The following sample was submitted and identified on behalf of the client as :  
 ZAMAK3, ZINC DIECASTING ALLOY, Zn602

澳洲 3号 鋅合金

SGS Job No.	:	1113978
Country of Origin	:	AUSTRALIA
Date of Sample(s) Received	:	SEP 11 2007
Testing Period	:	SEP 11 - 13 2007
Test Requested/ Test Method	:	<ul style="list-style-type: none"> <li>- With reference to the RoHS Directive 2002/95/EC, and its amendment directives.</li> <li>- To determine Cadmium, Lead and Mercury contents in submitted metal sample according to IEC 62321 (Ed. 1) 111/54/CDV. Analysis was performed by ICP/ AAS.</li> <li>- Determination of the presence of Hexavalent Chromium by spot-test/ boiling-water-extraction.</li> </ul>
Test Results	:	Please refer to next page.
Conclusion	:	<ul style="list-style-type: none"> <li>- Based on the performed tests on submitted sample, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.</li> </ul>

Signed for and on behalf of  
 SGS Hong Kong Ltd.



Ho Ka Ting Family  
 Senior Laboratory Executive

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### Test Results:

Test results by chemical method (Unit : mg/kg)

	1	MDL	Limit
Cadmium(Cd)	5	2	100
Lead (Pb)	19	5	1000
Mercury (Hg)	n.d.	2	1000
Hexavalent Chromium (CrVI) by spot-test/ boiling-water-extraction	Negative		#

### Note:

- (1) mg/kg = ppm
- (2) MDL = Method Detection Limit
- (3) n.d. = Not Detected
- (4) Negative = Absence of CrVI coating  
Positive = Presence of CrVI coating

### Spot-test:

The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.

### Boiling-water-extraction:

Positive : detected concentration of solution 0.02 mg/kg with 50 sq. cm sample surface area.

- (5) # = Positive indicates the presence of CrVI on the tested areas and result be regarded as not compliance with RoHS requirement.  
Negative indicates the absence of CrVI on the tested areas and result be regarded as compliance with RoHS requirement.
- (6) - = Not Regulated
- (7) -- = Not Conducted

### Sample Description

1 Silvery Metal

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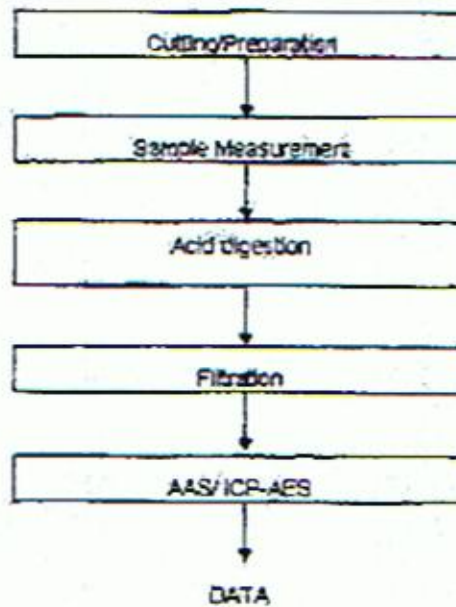
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Flowchart of Digestion for Pb, Cd and Hg Measurement  
Method IEC 62321 (Ed. 1) 11/54/GBV



Operator : Tang Koon Ping

Section Chief : Ho Ka Ting, Family

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Method No. IEC 62321 (Ed. 1)

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Sample photo:

## EC406910300 (Sample 1)



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\*\*\* End Of Report \*\*\*

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