

Test Report

No.: GZ0608119666/CHEM

Date: AUG 08, 2006

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HEYUAN LUNG KEE METAL PRODUCTS CO., LTD.
GAOPU IND. ZONE, HEYUAN CITY, GUANGDONG CHINA 517000

Report on the submitted sample said to be TOOL STEEL
Client Reference: MATERIAL:LKM 2344/ LKM 2344 ESR


SGS Ref No. : SZ10033719
Buyer : TO WHOM IS CONCERN
Sample Receiving Date : AUG 02, 2006
Further Sample Receiving Date : AUG 04, 2006
Testing Period : AUG 02, 2006 TO AUG 08, 2006

Test Requested : (1) As specified by client, to determine the Lead, Cadmium & Mercury content in the submitted sample.
(2) Determination of the presence of Hexavalent Chromium Cr(VI) in the submitted metallic samples.
(3) Determination of PBBs (Polybrominated Biphenyls), PBDEs (Polybrominated Diphenylethers) of the submitted sample.

Test Method : (1) Lead content - With reference to EPA 3050B: 1996 & other acid digestion.
Cadmium content - With reference to BS EN1122: 2001 method B & other acid digestion.
Mercury content - With reference to EPA 3052: 1996 & other acid digestion.
Analysis was performed by Atomic Absorption Spectrometer & Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).
(2) With reference to IEC 62321 CDV (TC111) (Sec. 8.5.2 - Boiling-water-extraction method).
(3) With reference to EPA 3540C & EPA 3550C. Analysis was performed by GC-MS.

Results : Please refer to next page.

Signed for and on behalf of
SGS-CSTC Ltd.


Wang HongLei, Leo
Sr. Engineer

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Results :

(1)

Item	Unit	MDL	Silver-gray metal block
Lead Content (Pb)	mg/kg	2	4
Cadmium Content (Cd)	mg/kg	2	N.D.
Mercury Content (Hg)	mg/kg	2	N.D.

Note : - N.D. = Not Detected (< MDL)
 - MDL= Method Detection Limit
 - mg/kg = ppm

(2)

Item	Silver-gray metal block
Hexavalent Chromium Content [Cr(VI)]	Negative

Note : - Negative means the concentration of Hexavalent Chromium extracted from 50cm² sample is less than the detection limit.
 - Detection limit of Cr(VI) in solution = 0.02 mg/kg Cr(VI) extracted from 50cm² sample surface area by boiling-water-extraction method

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GZCM 061257

(3)

Item	Unit	MDL	Silver-gray metal block
Flame Retardants			
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	mg/kg	5	N.D.
Dibromobiphenyl	mg/kg	5	N.D.
Tribromobiphenyl	mg/kg	5	N.D.
Tetrabromobiphenyl	mg/kg	5	N.D.
Pentabromobiphenyl	mg/kg	5	N.D.
Hexabromobiphenyl	mg/kg	5	N.D.
Heptabromobiphenyl	mg/kg	5	N.D.
Octabromobiphenyl	mg/kg	5	N.D.
Nonabromodiphenyl	mg/kg	5	N.D.
Decabromodiphenyl	mg/kg	5	N.D.
Polybrominated Diphenylethers (PBDEs)			
Monobromodiphenyl ether	mg/kg	5	N.D.
Dibromodiphenyl ether	mg/kg	5	N.D.
Tribromodiphenyl ether	mg/kg	5	N.D.
Tetrabromodiphenyl ether	mg/kg	5	N.D.
Pentabromodiphenyl ether	mg/kg	5	N.D.
Hexabromodiphenyl ether	mg/kg	5	N.D.
Heptabromodiphenyl ether	mg/kg	5	N.D.
Octabromodiphenyl ether	mg/kg	5	N.D.
Nonabromodiphenyl ether	mg/kg	5	N.D.
Decabromodiphenyl ether	mg/kg	5	N.D.

- Note : - N.D. = Not Detected (< MDL)
 - MDL = Method Detection Limit
 - mg/kg = ppm
 - Photo appendix is included

*** End of Report ***

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PHOTO APPENDIX



SGS authenticate the photo on original report only

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