



Test Report No. F690101/LF-CTSAYAA11-35449

Issued Date: 2011. 11. 04

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To: **KOREA JCC CO., LTD.**
57-1 Hyunam-ri
Buki-myun
Cheongwon-gun
Chungbuk 363-922
Korea

The following merchandise was submitted and identified by the client as :

SGS File No. : AYAA11-35449
Product Name : Cathode Foil
Item No./Part No. : Cathode Foil
Received Date : 2011. 10. 28
Test Period : 2011. 10. 31 to 2011. 11. 04
Test Results : For further details, please refer to following page(s)
Test Performed : SGS Testing Korea tested the sample(s) selected by applicant with following results.

Timothy Jeon
Jinhee Kim
Cindy Park
Jerry Jung/ Testing Person

SGS Korea Co. Ltd.

Jeff Jang / Chemical Lab Mgr



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Sample No. : AYAA11-35449.001
Sample Description : Cathode Foil
Item No./Part No. : Cathode Foil
Materials : N/A

Other(s)

Test Items	Unit	Test Method	MDL	Results
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	mg/kg	In-House method	500	N.D.
Bis(2-methoxyethyl) phthalate	mg/kg	In-House method	500	N.D.
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	mg/kg	In-House method	500	N.D.
2,2'-Dichloro-4,4'-methylenedianiline (MOCA)	mg/kg	In-House method	500	N.D.
1,2-Dichloroethane	mg/kg	In-House method	500	N.D.
N,N-Dimethylacetamide (DMAC)	mg/kg	In-House method	500	N.D.
Bis(2-methoxyethyl) ether	mg/kg	In-House method	500	N.D.
2-Methoxyaniline; o-Anisidine	mg/kg	In-House method	500	N.D.
Phenolphthalein	mg/kg	In-House method	500	N.D.
Dichromium tris(chromate) *	mg/kg	In-House method	50	N.D.
Potassium hydroxyoctaoxidizincatedichromate*	mg/kg	In-House method	50	N.D.
Pentazinc chromate octahydroxide *	mg/kg	In-House method	50	N.D.
Aluminosilicate, Refractory Ceramic Fibers (RCF)*	mg/kg	In-House method	50	N.D.
Zirconia Aluminosilicate, Refractory Ceramic Fibers (Zr-RCF)*	mg/kg	In-House method	50	N.D.
Arsenic acid*	mg/kg	In-House method	50	N.D.
Calcium arsenate*	mg/kg	In-House method	50	N.D.
Trilead diarsenate*	mg/kg	In-House method	50	N.D.
Lead diazide*	mg/kg	In-House method	50	N.D.
Lead styphnate*	mg/kg	In-House method	50	N.D.
Lead dipicrate*	mg/kg	In-House method	50	N.D.

NOTE: (1) N.D. = Not detected.(<MDL)
(2) mg/kg = ppm; 0.1wt%=1000ppm
(3) MDL = Method Detection Limit
(4) * :The substance was calculated by the test results of Tributyl Tin or element.
(Ex.Arsenic, Lead, Cr(VI), Cobalt, Chlorine or Boron respectively).

Picture of Sample as Received:



*** End ***

- NOTE:
- (1) N.D. = Not detected.(<MDL)
 - (2) mg/kg = ppm; 0.1wt%=1000ppm
 - (3) MDL = Method Detection Limit
 - (4) * :The substance was calculated by the test results of Tributyl Tin or element.
(Ex.Arsenic, Lead, Cr(VI), Cobalt, Chlorine or Boron respectively).