

**HYUNDAI SPECIAL STEEL** 

151 Daesong-ro,Nam-gu Pohang-si,Gyeongbuk Korea



Page 1 of 4

Issued Date: 2019.01.10

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. : AYGU19-00098

Product Name : POSWIND100

Item No./Part No. : N/A

**Received Date** : 2019. 01. 02

Test Period : 2019. 01. 02 to 2019. 01. 10

**Test Results**: For further details, please refer to following page(s)

SGS Korea Co., Ltd. / LTS Busan Laboratory

Thomas Hwang / Lab Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx2">http://www.sgs.com/en/Terms-and-Conditions.aspx2</a>
and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at the first of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not except artises to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of he law. Unless otherwise stated the results shown in this test report refer only to the sample(s).



**Sample No.** : AYGU19-00098.001

Sample Description : POSWIND100

Item No./Part No. : N/A
Materials : N/A

#### **Heavy Metals**

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	With reference to EPA 3052(1996), US EPA 6010B(1996), ICP	0.5	N.D.
Lead (Pb)	mg/kg	With reference to EPA 3052(1996), US EPA 6010B(1996), ICP	5	N.D.
Mercury (Hg)	mg/kg	With reference to EPA 3052(1996), US EPA 6010B(1996), ICP	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	With reference to US EPA 3060A(1996), US EPA 7196A(1992), UV	1	N.D.

Issued Date: 2019.01.10

Page 2 of 4

### Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Monobromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a>
and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/terms-e-document.htm">www.sgs.com/terms-e-document.htm</a> <a href="http://www.sgs.com/terms-e-document.htm">http://www.sgs.com/terms-e-document.htm</a> <a href="http



NOTE: (1) N.D. = Not detected.(<MDL)

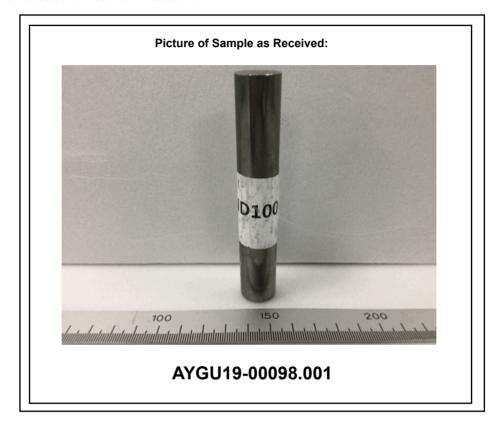
(2) mg/kg = ppm

(3) MDL = Method Detection Limit

(4) - = No regulation

(5) \*\* = Qualitative analysis (No Unit)

(6) Negative = Undetectable / Positive = Detectable



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/terms-e-document.htm">www.sgs.com/terms-e-document.htm</a> <a href="https://www.sgs.com/terms-e-document.htm">https://www.sgs.com/terms-e-document.htm</a> <a href="https://www.sgs.com/terms-e-document.htm">https://www.sgs.com/ter

Issued Date: 2019.01.10

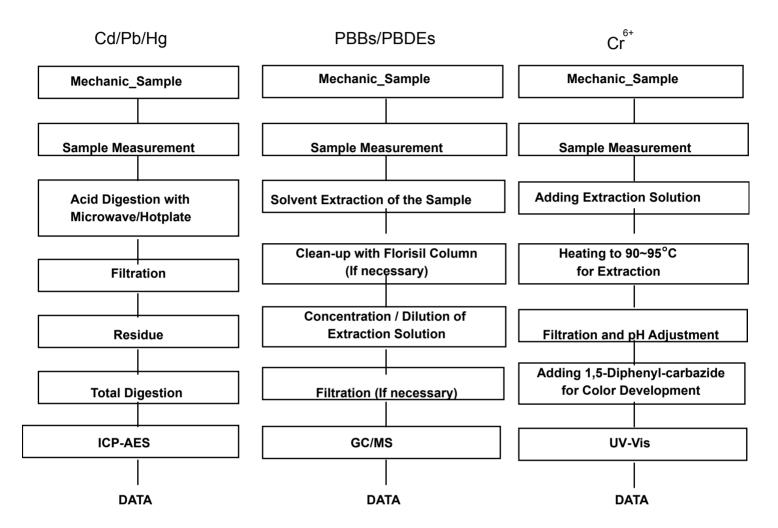
Page 3 of 4



Page 4 of 4

### Testing Flow Chart for RoHS:Cd/Pb/Hg/Cr6+ /PBBs&PBDEs Testing

Issued Date: 2019.01.10



The samples were dissolved totally by pre-conditioning method according to above flow chart for Cd,Pb,Hg.

Section Chief: Sharpless Park

\*\*\* End of Report \*\*\*

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-e-document.htm">www.sgs.com/en/Terms-e-document.htm</a> <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx</a> <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx</a> <a href="http://www.sgs.com/en/Terms-and-C