

Test Report No. F690101/LF-CTSAYAA12-32989

To: KUMHO PETROCHEMICAL CO., LTD.

118

3 ro Yeosusandan

Yeosu-si

Jeonlanamdo

Korea

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

SGS File No. : AYAA12-32989

Product Name : NdBR 40

Item No./Part No. : N/A

Received Date : 2012. 09. 07

Test Period : 2012. 09. 10 to 2012. 09. 14

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

Test Performed: SGS Korea tested the sample(s) selected by applicant with following results.

SGS Korea Co. Ltd.

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Timothy Jeon
Jinhee Kim
Cindy Park
Jerry Jung/ Testing Person

rry Jung/Tosting Person Jeff Jang / Chemical Lab Mgr



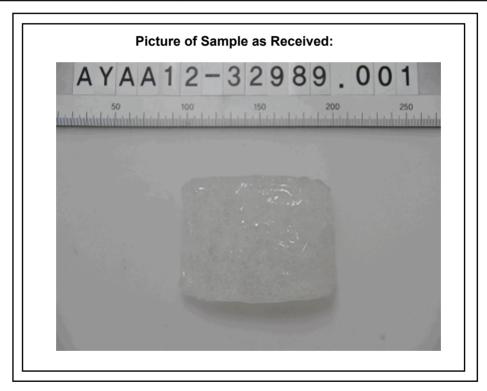
Test Report No. F690101/LF-CTSAYAA12-32989

Sample No. : AYAA12-32989.001

Sample Description : NdBR 40 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 IEC 62321:2008, ICP	0.5	N.D.
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, ICP	5	N.D.
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, ICP	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	With reference to IEC 62321:2008, UV-VIS	1	N.D.
Tin (Sn)	mg/kg	With reference to EPA 3052(1996), US EPA 6010B(1996), ICP	10	N.D.



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

- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) = No regulation
- (5) Negative = Undetectable / Positive = Detectable
- (6) ** = Qualitative analysis (No Unit)
- (7) * = Boiling-water-extraction:

Negative = Absence of CrVI coating

Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm2 sample surface area.

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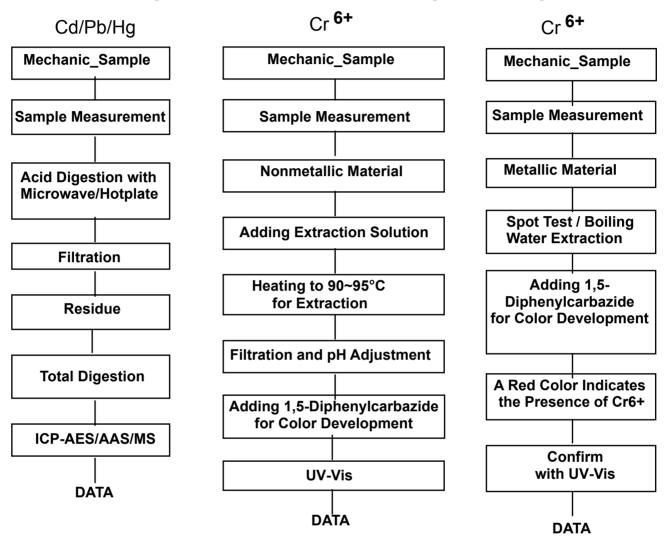
322, The O valley, 555-9, Hogye-dong, Dongan-gu, Anyang-si, Gyeonggi-do, Korea 431-080 t +82 (0)31 4608 000 f +82 (0)31 4608 059 $\frac{http://www.sgslab.co.kr.,www.kr.sgs.com/greenlab}{http://www.sgslab.co.kr.,www.kr.sgs.com/greenlab}$

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Testing Flow Chart for RoHS:Cd/Pb/Hg/Cr6+ Testing



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

*** End ***

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