



# TEST REPORT

15, Jongga-ro, Jung-gu, Ulsan, 44412, Korea

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Report No. : TAK-2024-183614

Receipt Date : Dec.24.2024

Customer : Hur-yooseok, Hur-Jeongdo

Test Date : Jan.03.2025

Company name : Kwang Jin Ind. Co., Ltd

Address : 106, Orisandan-ro, Jangan-eup, Gijang-gun, Busan, Republic of Korea

Sample : Metallic Specimen(S45C)

Testing Date : Dec.24.2024 ~ Jan.03.2025

Testing Environment : Temperature (20 ± 5)°C, Relative humidity (40 ± 20) %

Test method : Refer to following pages

Test result : Refer to following pages

Attachment : Flow chart and Sample pictures

USAGE : QUALITY CONTROL

- NOTE : 1. The test results on this test report are only limited to the samples and sample names provided by the customer and KTR does not guarantee the quality of all products of the customer, and you can confirm the authenticity of the test report online ([www.ktr.or.kr](http://www.ktr.or.kr)) or by using the QR code.
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Jan.03.2025

**Korea Testing & Research Institute**

President

*Kim Hyun cheol*



QR Code to verify Genuineness



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## TEST RESULT

| Test itmes       | Unit               | Sample | Results      | MDL | Test Methods                        |
|------------------|--------------------|--------|--------------|-----|-------------------------------------|
| Pb               | mg/kg              | -      | Not Detected | 20  | applied IEC 62321-5 Ed.1.0 : 2013   |
| Hg               | mg/kg              | -      | Not Detected | 4   | applied IEC 62321-4 Ed.1.1 : 2017   |
| Cd               | mg/kg              | -      | Not Detected | 10  | applied IEC 62321-5 Ed.1.0 : 2013   |
| Cr <sup>6+</sup> | μg/cm <sup>2</sup> | -      | Negative     | -   | applied IEC 62321-7-1 Ed.1.0 : 2015 |

Notes : mg/kg = ppm (parts per million)

N.D = Not detected( <MDL)

MDL = Method detection limit

\* Cr(VI) : Negative (0.1 μg/cm<sup>2</sup> below), Inconclusive (0.10 μg/cm<sup>2</sup> ~ 0.13 μg/cm<sup>2</sup>), Positive (0.13 μg/cm<sup>2</sup> over)

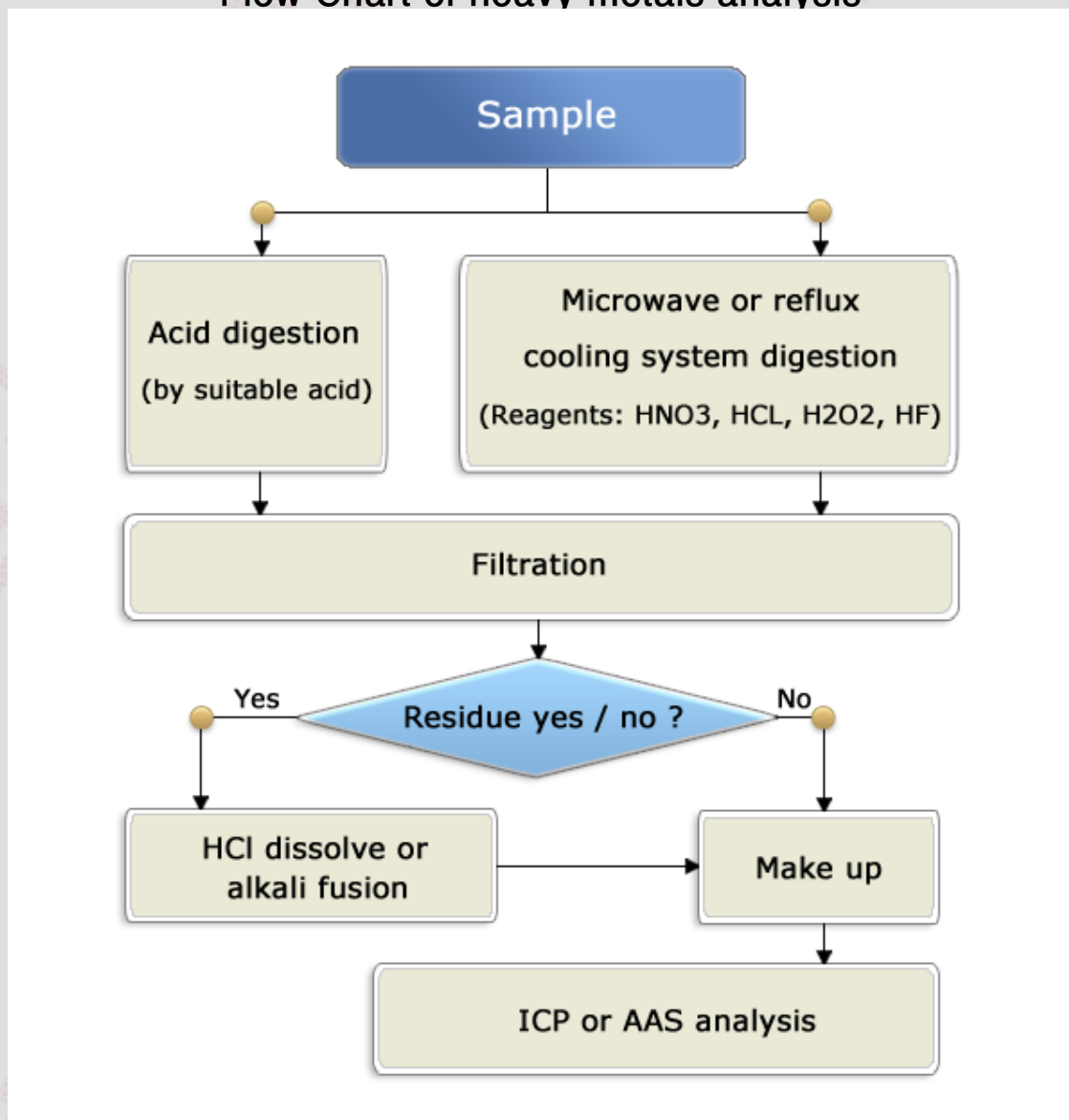
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Sample : Metallic Specimen(S45C)

Pb, Cd, Hg : Tested by LEE YeungIn(Tel : 052-220-3147)

## Flow Chart of heavy metals analysis





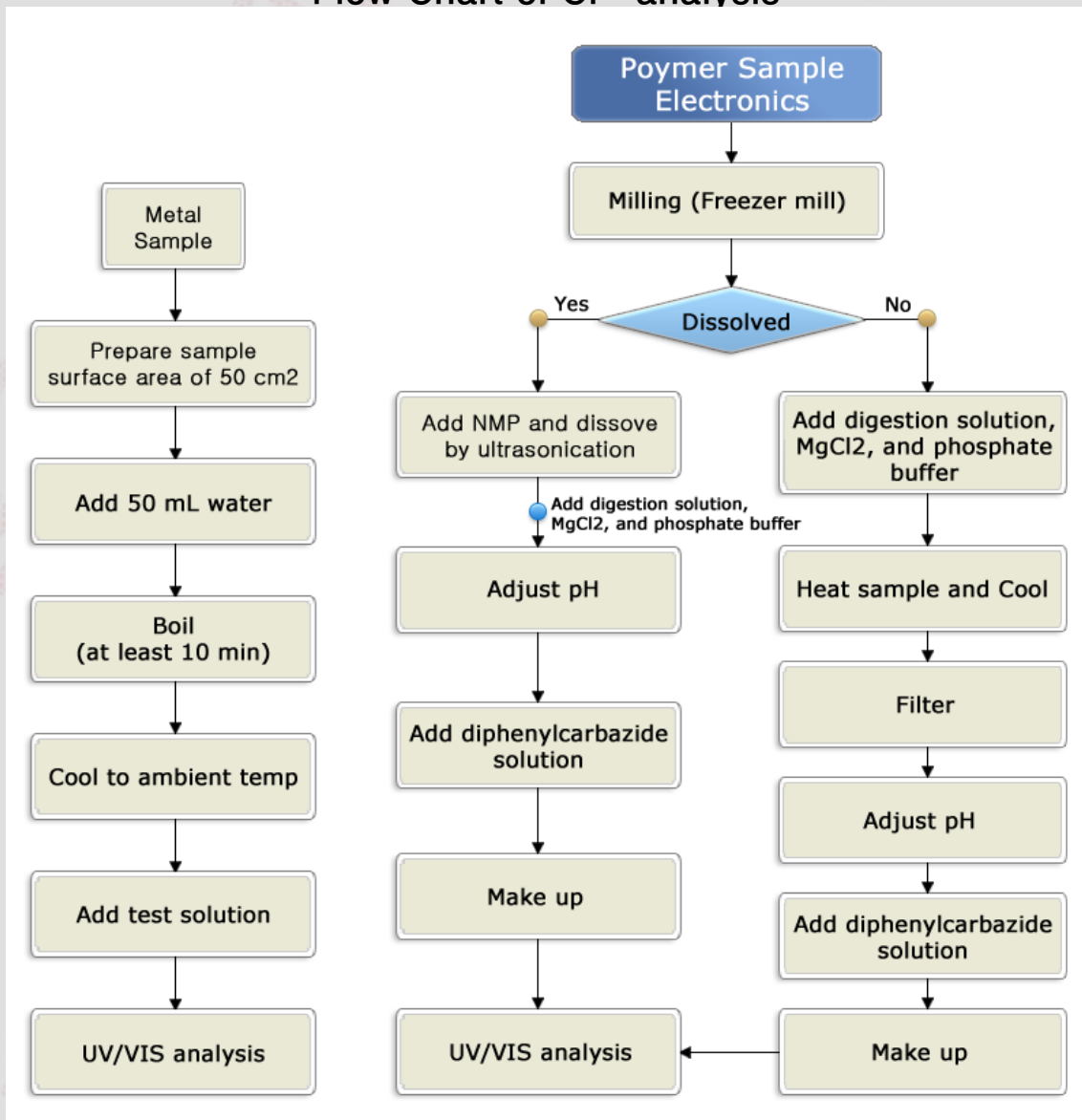
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Cr<sup>6+</sup> : Tested by LEE YeungIn(Tel : 052-220-3147)

## Flow Chart of Cr<sup>6+</sup> analysis



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### Sample



- End of Report -