



TEST REPORT

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

TEL 82-52-220-3000

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Report No. : TAK-2025-100742

Receipt Date : Jul.10.2025

Customer : Hur-yooseok

Test Date : Jul.24.2025

Company name : Kwang Jin Ind. Co., Ltd

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

Sample : Metallic Specimen(S45C) W/R

Testing Date : Jul.10.2025 ~ Jul.24.2025

Testing Environment : Temperature (20 ± 5) $^{\circ}$ 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) or by using the QR code.
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Jeong Chang Uk

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Technical Manager

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Jul.24.2025

Korea Testing & Research Institute

President

Kim Hyun cheol

QR Code to verify Genuineness



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Sample : Metallic Specimen(S45C) W/R

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 ⁶⁺	μg/cm ²	-	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/cm² below), Inconclusive (0.10 μg/cm² ~ 0.13 μg/cm²), Positive (0.13 μg/cm² over)

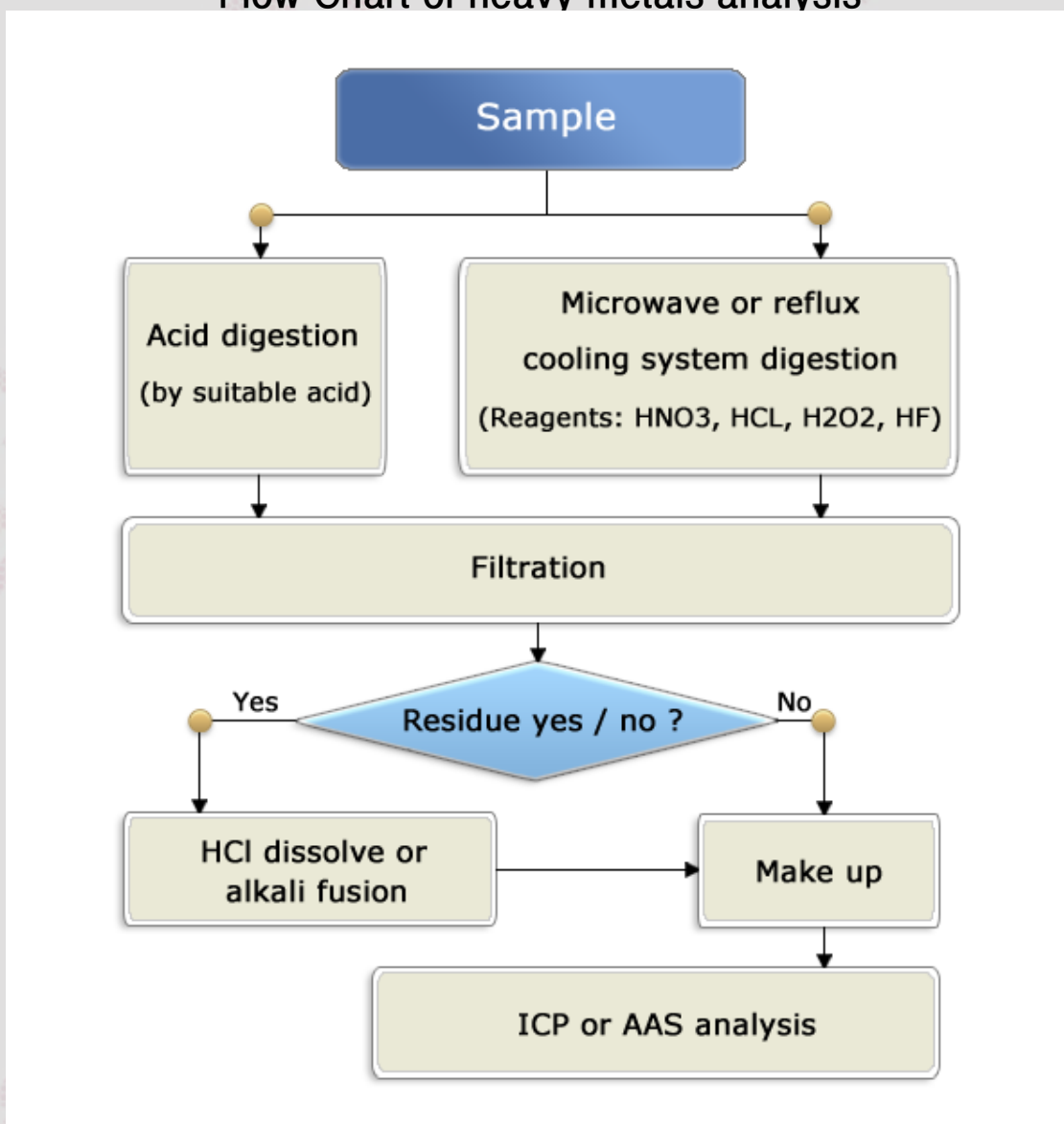
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Sample : Metallic Specimen(S45C) W/R

Pb, Cd, Hg : Tested by Jeong Chang Uk(Tel : 052-220-3134)

Flow Chart of heavy metals analysis



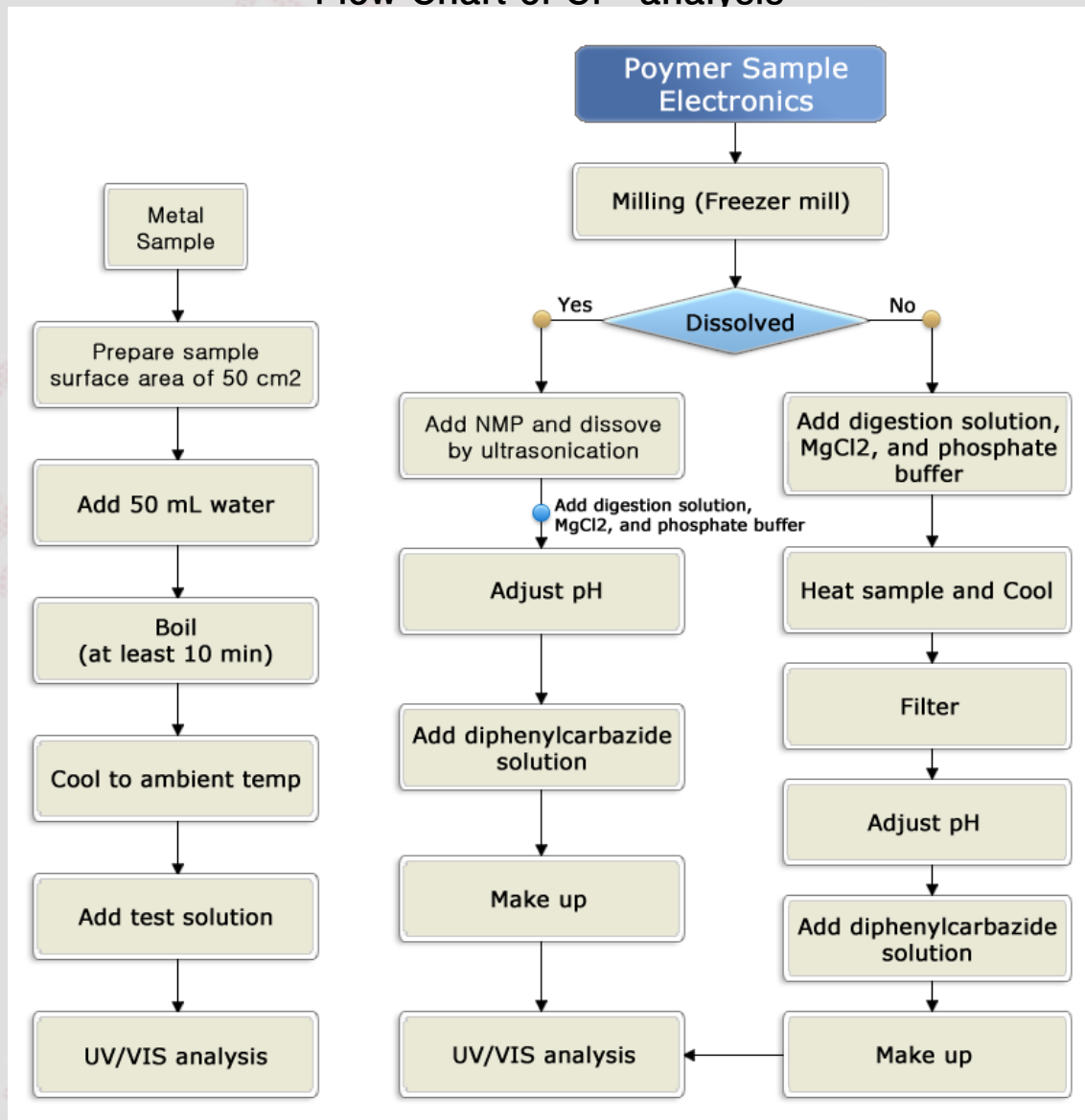
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Cr⁶⁺ : Tested by Jeong Chang Uk(Tel : 052-220-3134)

Flow Chart of Cr⁶⁺ analysis



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Sample



시료 확인표			시료처리	폐기
품 목 명	금속시험편(S45C) W/R		TQ지역	
접수번호	TAK-2025-100742	접수일자	2025-07-10	
주무부서	유해성평가팀	발급일자	2025-07-24	
협조부서		발급방법	보통	
특이사항	**시험방법/조건 : IEC 62321-4, 5, 7			
접수장소	윤복합 지원센 터(울산)	접수자	김광훈	202507014/13*A066#001

상단 ID : 202507004968 A066

※ 반드시 시료에 부착하세요!

- End of Report -