

TEST REPORT

KOTITI No. | 8223-1401-101474

Applicant | DUKSAN Hi-Metal

Address | 66, Muryong 1-ro, Buk-gu, Ulsan, Korea



Date In | Mar 02, 2023

Date Out | Mar 17, 2023

Issue No	3007376644
Sample Description	Sn0.7Cu(ULA)
Sample Quantity	One (1) Sample(s)
Buyer	N/S
Item Number	N/S
Material	Metal
Testing Period	Mar 02, 2023 ~ Mar 17, 2023
Test Result	For further details, please refer to the following page(s).

* N/S : Not Submitted, N.A. : Not Applicable, N.D. : Not Detected [< MDL(Method Detection Limit)]

* Negative : Not Detected, Positive : Detected

Affirmation	Prepared by	Technical Manager
	Name : Yeon ji Park 	Name : Gun young Ryu 

KOTITI Testing & Research Institute



Contact Information for technical questions and general inquiries.

·Primary Contact: Yun jae Lee T (822)3451-7116 E yjlee@kr.kotiti-global.com ·Back-up: Jung hyun Lee T (822)3451-7113 E jhlee@kr.kotiti-global.com


111, Sagimakgol-ro, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea T (822)6191-6182 F (822)3451-7179 W www.kotiti-global.com

- The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the qualities of the lot from which the sample(s) was taken or of all products.
- Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client identified on this letter and the KOTITI Testing & Research Institute.
- The test result in this report is not related to accreditation of KOLAS.
- You can verify the authenticity by the QR code at the bottom right side of the issued report, or access <http://cs.kotiti-global.com> and enter the test report number.

QPF-16-06(rev.01)KOTITI



Tested Sample List			
Sample No.	Sample Description	Item No.	Material
1	Sn0.7Cu(ULA)	N/S	Metal


Heavy metal, Unit: mg/kg

Test Conducted	Test Method	MDL	Test Results
			1
Silver (Ag)	Reference to EPA 3052:1996 determined by ICP-OES	5	17.9
Copper (Cu)		5	7 423.8
Antimony (Sb)		2	N.D.
Aluminium (Al)		5	N.D.
Arsenic (As)		5	N.D.
Iron (Fe)		5	13.0
Zinc (Zn)		5	N.D.
Bismuth (Bi)		5	N.D.
Nickel (Ni)		5	N.D.
Beryllium (Be)		2	N.D.
Gold (Au)		5	N.D.
Indium (In)		5	N.D.

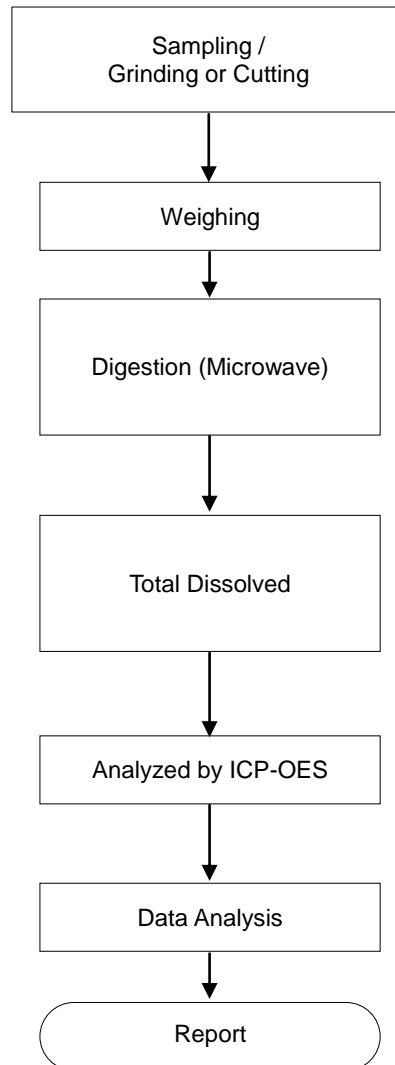
* Tested by : Yeon ji Park

Photo of the submitted sample(s)



Flow Chart

Heavy metal



Material	Digestion Acid
Polymers	HNO ₃ , HCl, HF, H ₂ O ₂ , H ₂ SO ₄ , etc.
Metals	HNO ₃ , HCl
Electronics	HNO ₃ , HCl, HF, H ₂ O ₂ , H ₂ SO ₄ , etc.

* The sample is totally digested.