

TEST REPORT

APPLICANT : DUKSAN Hi-Metal Co., Ltd.
ADDRESS : 66, Muryong 1-ro, Buk-gu,
Ulsan, Korea

PAGE: 1 of 4

REPORT NO. RT22R-S0736-002-E

DATE: Feb. 14, 2022

SAMPLE DESCRIPTION : The following submitted sample(s) said to be:-

NAME/TYPE OF PRODUCT : Sn3.0Ag0.5Cu
NAME OF MATERIAL : Metal
SAMPLE ID NO. : RT22R-S0736-002
MANUFACTURER/VENDOR : DUKSAN Hi-Metal Co., Ltd.

SAMPLE RECEIVED : Feb. 08, 2022
TESTING DATE : Feb. 08, 2022 ~ Feb. 14, 2022

TEST METHOD(S) : Please see the following page(s).
TEST RESULT(S) : Please see the following page(s).

* Note 1 : The test results presented in this report refer only to the object tested.

* Note 2 : This report shall not be reproduced except in full without the written approval of the testing laboratory.

Approved by,



Jade Jang / Lab. Technical Manager

Authorized by,



Bo Park / Lab. General Manager



Authenticity check

Intertek Testing Services Korea Ltd.
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Ulsan Lab. Address : 34, Yongam-gil, Chongryang-myeon, Ulju-gun, Ulsan 44989 Korea



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TEST REPORT

PAGE: 2 of 4
DATE: Feb. 14, 2022

REPORT NO. RT22R-S0736-002-E

SAMPLE ID NO. : RT22R-S0736-002

SAMPLE DESCRIPTION : Sn3.0Ag0.5Cu

TEST ITEM	UNIT	TEST METHOD	MDL	RESULT
Silver (Ag)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	30800
Aluminium (Al)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Arsenic (As)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	42
Gold (Au)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Beryllium (Be)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Bismuth (Bi)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	19
Copper (Cu)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	5000
Iron (Fe)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	9
Germanium (Ge)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	6	69
Indium (In)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Nickel (Ni)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	19
Phosphorus (P)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.

Tested by : Jooyeon Lee

Notes : mg/kg = ppm = parts per million
< = Less than
N.D. = Not detected (<MDL)
MDL = Method detection limit

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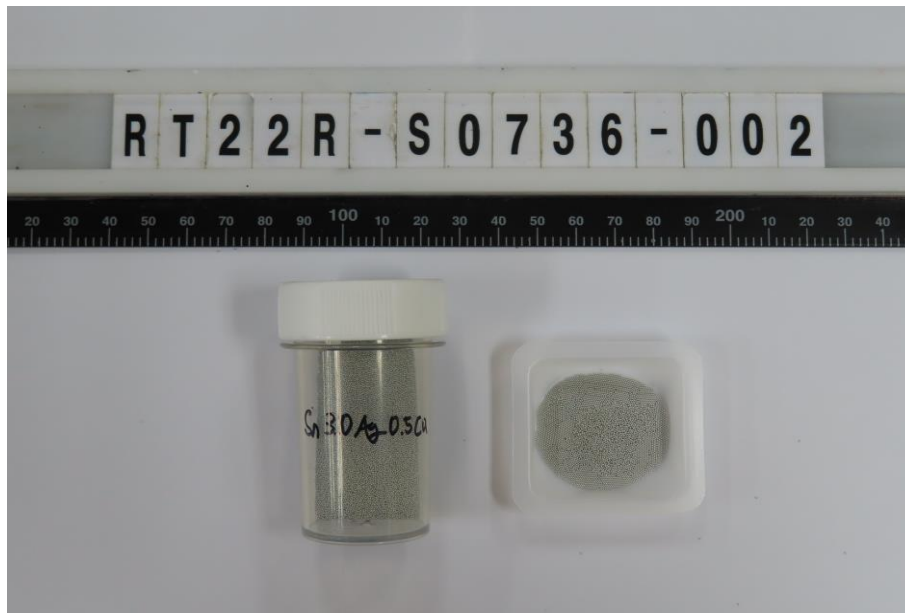
SAMPLE DESCRIPTION : Sn3.0Ag0.5Cu

TEST ITEM	UNIT	TEST METHOD	MDL	RESULT
Palladium (Pd)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Sulfur (S)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	20	N.D.
Antimony (Sb)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.
Zinc (Zn)	mg/kg	With reference to US EPA 3052, by acid digestion and determined by ICP-OES	2	N.D.

Tested by : Jooyeon Lee

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* View of sample as received;-



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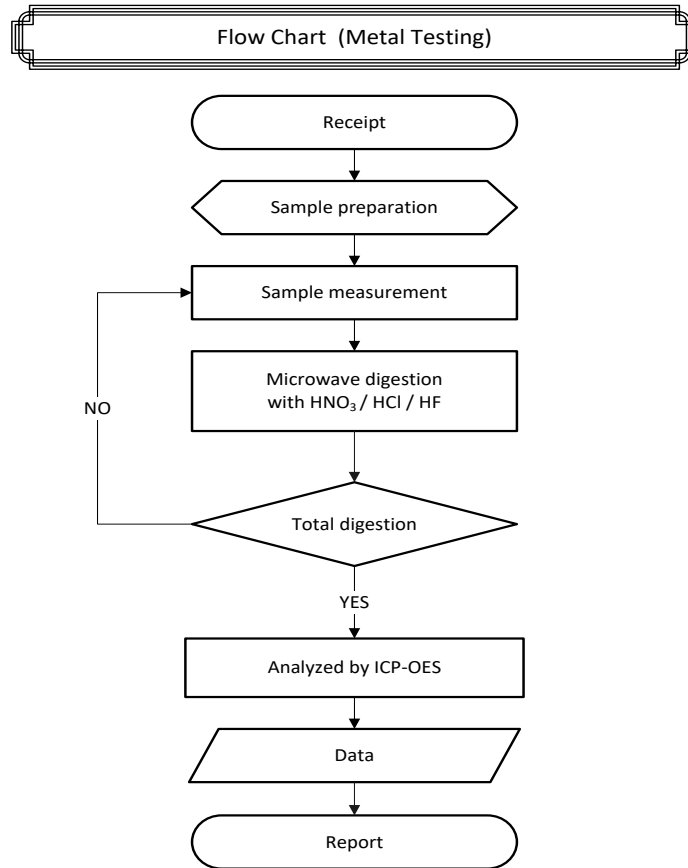
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** Remarks : The samples were dissolved totally by pre-conditioning method according to above flow chart.

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

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