

產品品牌：KEYIDA

產品成份：SN99.3CU0.7

產品熔點：227 度

產品使用溫度：280-300 度

產品特點：

無鉛錫條的特點

- ★ 純錫製造，濕潤性、流動性好，易上錫。
- ★ 焊點光亮、飽滿、不會虛焊等不良現象。
- ★ 加入足量的抗氧化元素，抗氧化能力強。
- ★ 純錫製造，錫渣少，減少不必要的浪費。
- ★ 無鉛 RoHS 標準，適用波峰或手浸爐操作。

焊錫條的優點

1. 熔化後出渣量比普通焊錫少，且具有優良的抗氧化性能；
2. 熔化後粘度低，流動性好，可焊性高，適用於波峰焊接工序；
3. 由於氧化夾雜少，可以很大限度地減少拉尖，橋聯現象，焊接質量可靠，焊點光亮飽滿。採用好標準工藝流程生產，能有效地加入抗氧化性能，使用過程中錫渣少，同時由於產品本身不含危害物質，對環境無污染等，無鉛焊錫條是 Sn(錫)、Cu(銅)的共晶合金，共晶溫度為 227℃，比傳統的 Sn/Pb 鉛料高出 34℃。無鉛焊錫條

主要具有以下性能：強度高，具有良好的力學性能和焊點可靠性對雜質的敏感性低，

無鉛高溫錫條：熔點是 227 度，使用溫度是 300-450 度之間，適用於漆包線、變壓器，馬達等產品的焊接。



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勝特力电子(深圳) 86-755-83298787  
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## Test Report

No.: SZXEC25001270401

Date: Apr 21, 2025

Page 1 of 5

Client Name: KEYIDA YICHENGDA METALWORK SOLDER CO., LTD

Client Address: ELECTRONICS SQUARE MINGHE CHANGAN DONGGUAN

Sample Name: LEAD-FREE SOLDERBAR

Model No.: KEYIDASN99.99 KEYIDA99307 KEYIDA990307 KEYIDA305  
 KEYIDABGA KEYIDA4258 305 0307 810 203 3805 300 (mixture)  
 Material No.: KEYIDASN99.99 KEYIDA99307 KEYIDA990307 KEYIDA305  
 KEYIDABGA KEYIDA4258 305 0307 810 203 3805 300 (mixture)  
 Lot No.: KEYIDASN99.99 KEYIDA99307 KEYIDA990307 KEYIDA305  
 KEYIDABGA KEYIDA4258 305 0307 810 203 3805 300 (mixture)

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-018069

Sample Receiving Date: Apr 16, 2025

Testing Period: Apr 16, 2025 ~ Apr 21, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium	Pass

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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# Test Report

No.: SZXEC25001270401

Date: Apr 21, 2025

Page 2 of 5

## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SZX25-0012704-0001.C001	Silvery metal

### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

## EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-1:2015, analysis was performed by ICP-OES/AAS and UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	36
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	µg/cm <sup>2</sup>	0.10	ND

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ =
  - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain Cr(VI).
  - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm<sup>2</sup>). The coating is considered a non-Cr(VI) based coating.
  - c. The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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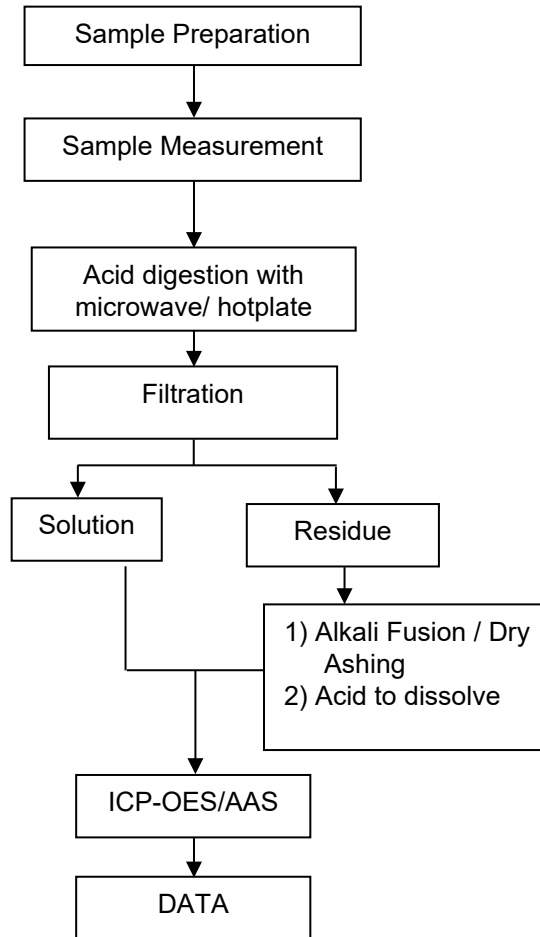
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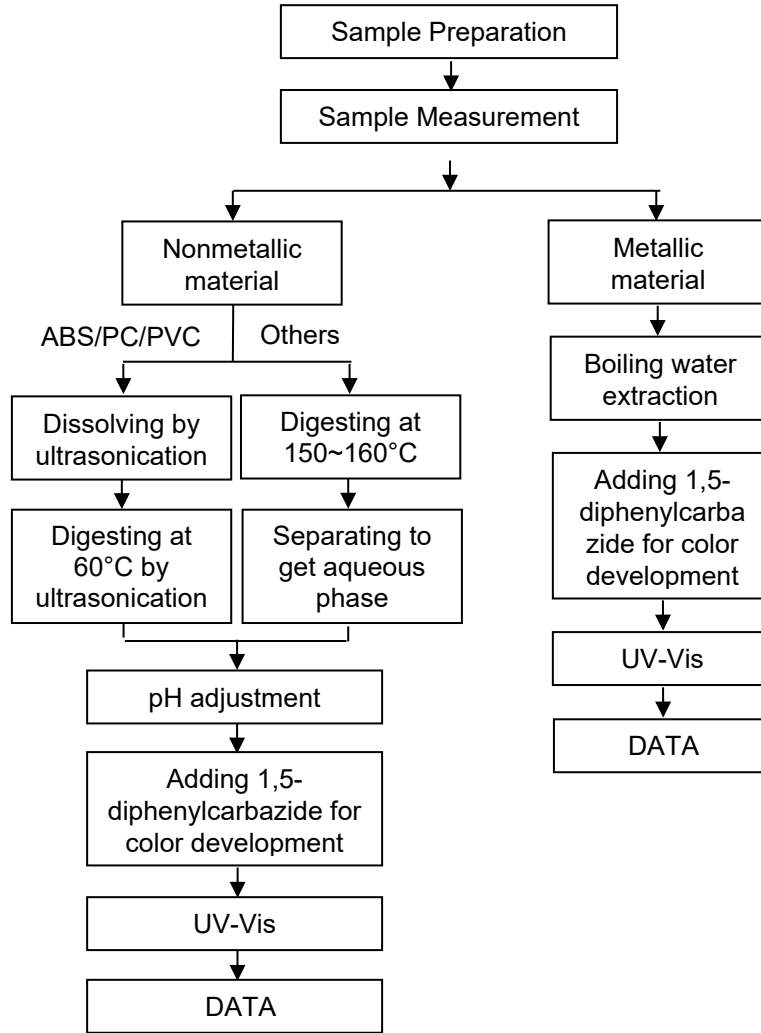
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**Elements Testing Flow Chart**

These samples were dissolved totally by pre-conditioning method according to below flow chart.



**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**



## Test Report

No.: SZXEC25001270401

Date: Apr 21, 2025

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### Sample Photo:



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## Test Report

No.: SZXEC25001270402

Date: Apr 21, 2025

Page 1 of 5

Client Name: KEYIDA YICHENGDA METALWORK SOLDER CO., LTD

Client Address: ELECTRONICS SQUARE MINGHE CHANGAN DONGGUAN

Sample Name: LEAD-FREE SOLDER WIRE

Model No.: KEYIDASN99.99 KEYIDA99307 KEYIDA990307 KEYIDA305  
KEYIDABGA KEYIDA4258 305 0307 810 203 3805 300 (mixture)

Material No.: KEYIDASN99.99 KEYIDA99307 KEYIDA990307 KEYIDA305  
KEYIDABGA KEYIDA4258 305 0307 810 203 3805 300 (mixture)

Lot No.: KEYIDASN99.99 KEYIDA99307 KEYIDA990307 KEYIDA305  
KEYIDABGA KEYIDA4258 305 0307 810 203 3805 300 (mixture)

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-018069

Sample Receiving Date: Apr 16, 2025

Testing Period: Apr 16, 2025 ~ Apr 21, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium	See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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# Test Report

No.: SZXEC25001270402

Date: Apr 21, 2025

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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A2	SZX25-0012704-0001.C002	Silver-gray metal wire with powder

### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

## EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-2:2017, analysis was performed by ICP-OES/AAS and UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A2
Lead (Pb)	1000	mg/kg	2	60
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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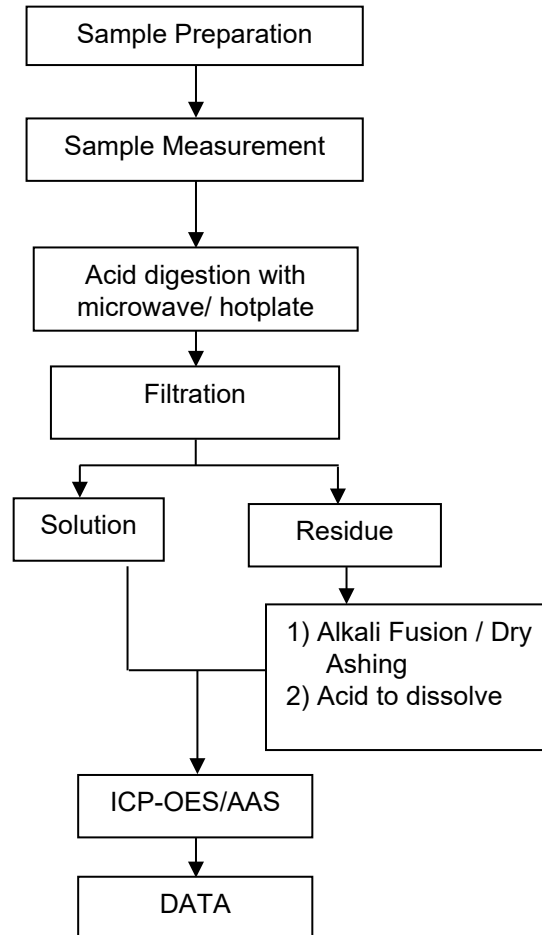
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### Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



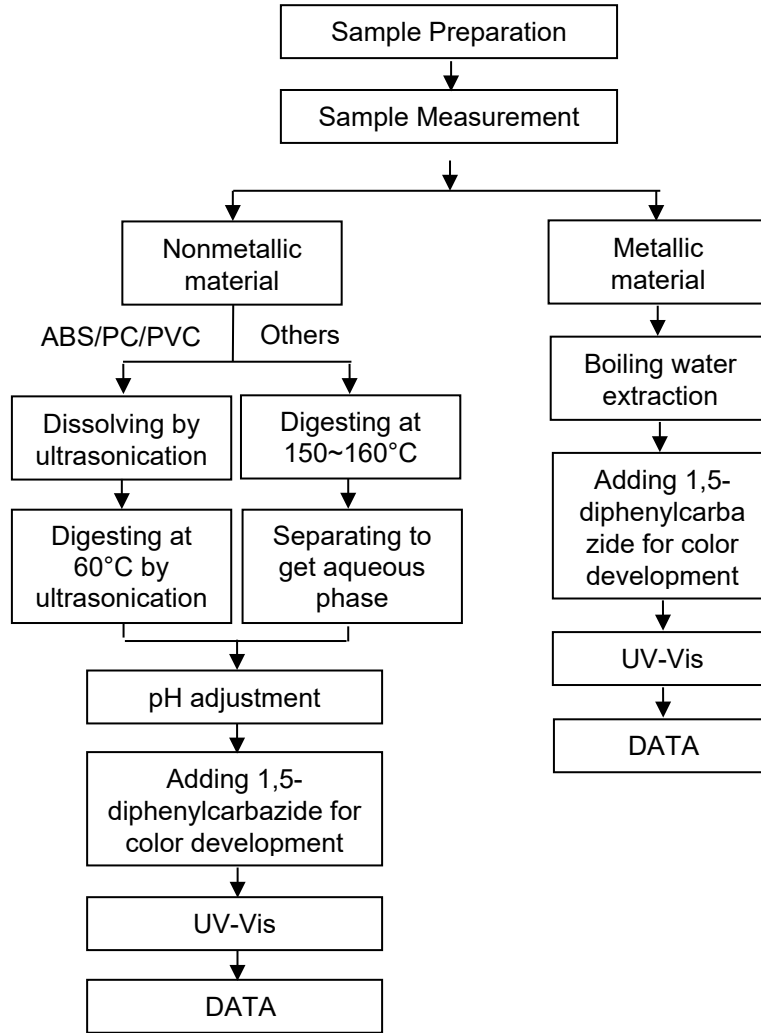
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**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**



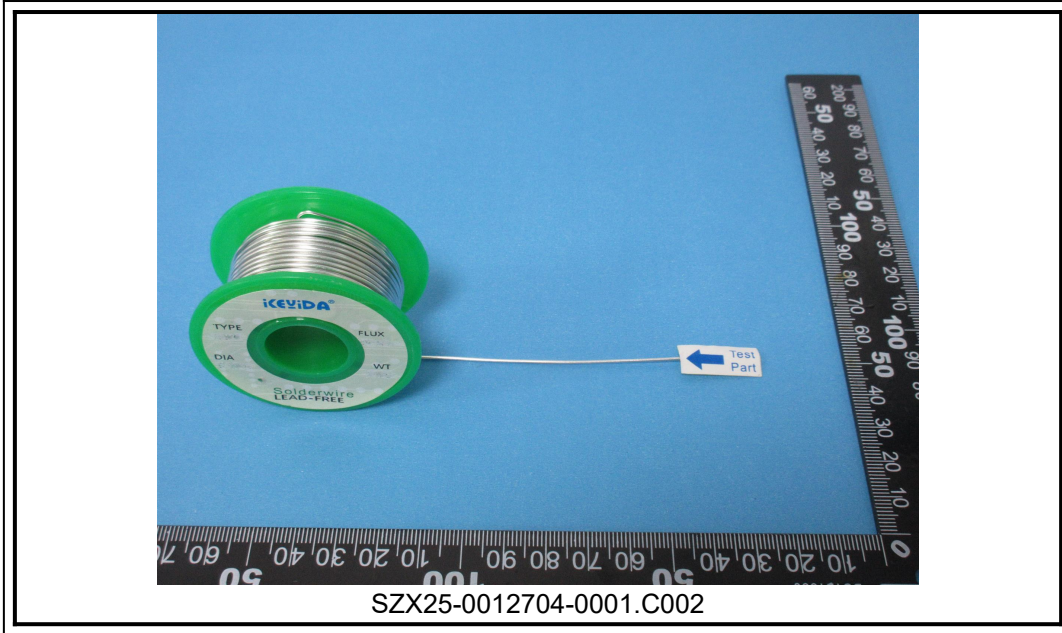
## Test Report

No.: SZXEC25001270402

Date: Apr 21, 2025

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### Sample Photo:



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## Test Report

No.: SZXEC25001270403

Date: Apr 21, 2025

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Client Name: KEYIDA YICHENGDA METALWORK SOLDER CO., LTD

Client Address: ELECTRONICS SQUARE MINGHE CHANGAN DONGGUAN

Sample Name: LEAD-FREE CHEMICAL PRODUCTS CLEANER

Model No.: KEYIDA203 KEYIDA810 KEYIDA3805 KEYIDA3805-T KEYIDA3805-B  
KEYIDA FQ909 KEYIDA908 KEYIDA200 KEYIDA201 KEYIDA FL866  
KEYIDA303 KEYIDA808 KEYIDA FQ909G (mixture)

Material No.: KEYIDA203 KEYIDA810 KEYIDA3805 KEYIDA3805-T KEYIDA3805-B  
KEYIDA FQ909 KEYIDA908 KEYIDA200 KEYIDA201 KEYIDA FL866  
KEYIDA303 KEYIDA808 KEYIDA FQ909G (mixture)

Lot No.: KEYIDA203 KEYIDA810 KEYIDA3805 KEYIDA3805-T KEYIDA3805-B  
KEYIDA FQ909 KEYIDA908 KEYIDA200 KEYIDA201 KEYIDA FL866  
KEYIDA303 KEYIDA808 KEYIDA FQ909G (mixture)

Main Substance: Isopropanol

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-018069

Sample Receiving Date: Apr 16, 2025

Testing Period: Apr 16, 2025 ~ Apr 21, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium	See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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# Test Report

No.: SZXEC25001270403

Date: Apr 21, 2025

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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A3	SZX25-0012704-0001.C003	Colorless transparent liquid

### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

## EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, analysis was performed by ICP-OES/AAS, UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A3
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.

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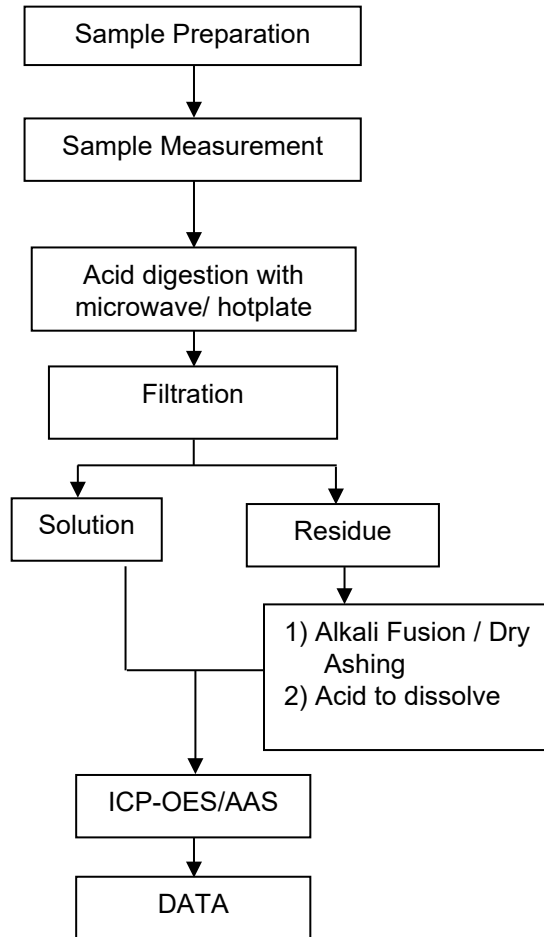
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### Elements Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.



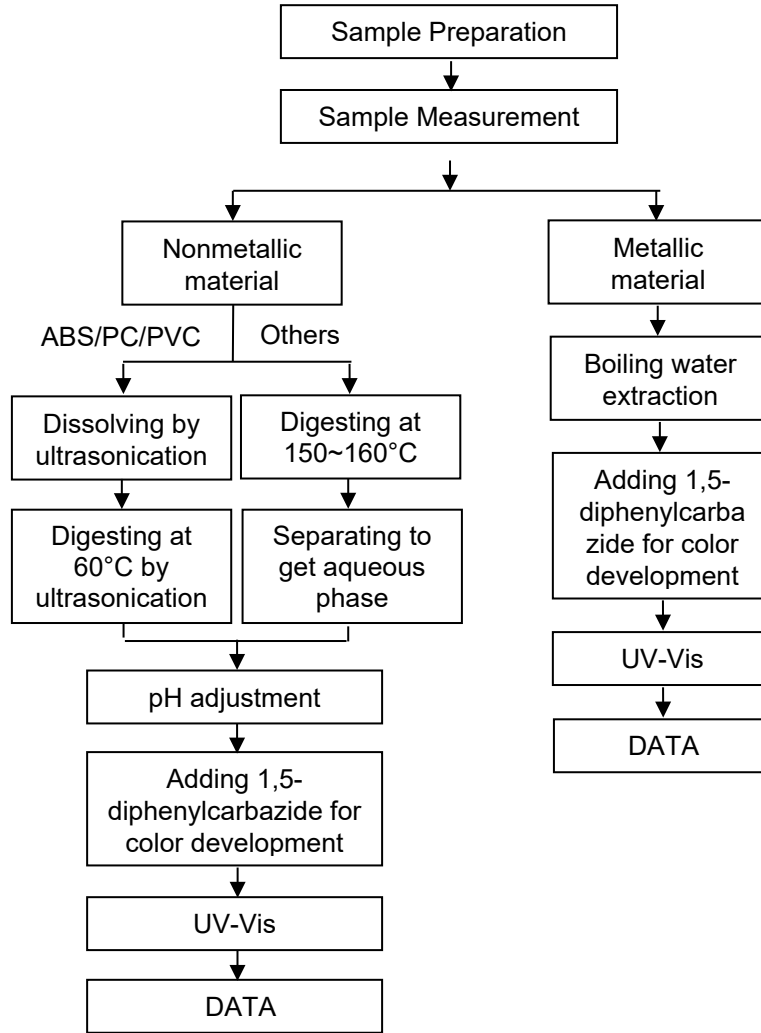
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**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**



## Test Report

No.: SZXEC25001270403

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### Sample Photo:



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## Test Report

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Client Name: KEYIDA YICHENGDA METALWORK SOLDER CO., LTD

Client Address: ELECTRONICS SQUARE MINGHE CHANGAN DONGGUAN

Sample Name: LEAD-FREE SOLDER PASTE

Model No.: KEYIDA305 KEYIDA810 KEYIDA660 KEYIDA866 KEYIDA860  
KEYIDA BGA KEYIDA910 KEYIDA810-T 305 0307 203 810  
3805 900 (mixture)

Material No.: KEYIDA305 KEYIDA810 KEYIDA660 KEYIDA866 KEYIDA860  
KEYIDA BGA KEYIDA910 KEYIDA810-T 305 0307 203 810  
3805 900 (mixture)

Lot No.: KEYIDA305 KEYIDA810 KEYIDA660 KEYIDA866 KEYIDA860  
KEYIDA BGA KEYIDA910 KEYIDA810-T 305 0307 203 810  
3805 900 (mixture)

Main Substance: Sn

The above sample(s) and information were provided by the client.

SGS Job No.: SZP25-018069

Sample Receiving Date: Apr 16, 2025

Testing Period: Apr 16, 2025 ~ Apr 21, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium	See Results

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

May

May Bei  
Approved Signatory

Scan to see the report



B9FA7C8B



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# Test Report

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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A4	SZX25-0012704-0001.C004	Grey paste

### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

## EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium

**Test Method:** With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, analysis was performed by ICP-OES/AAS, UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A4
Lead (Pb)	1000	mg/kg	2	17
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	8	ND

### Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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Shenzhen Branch

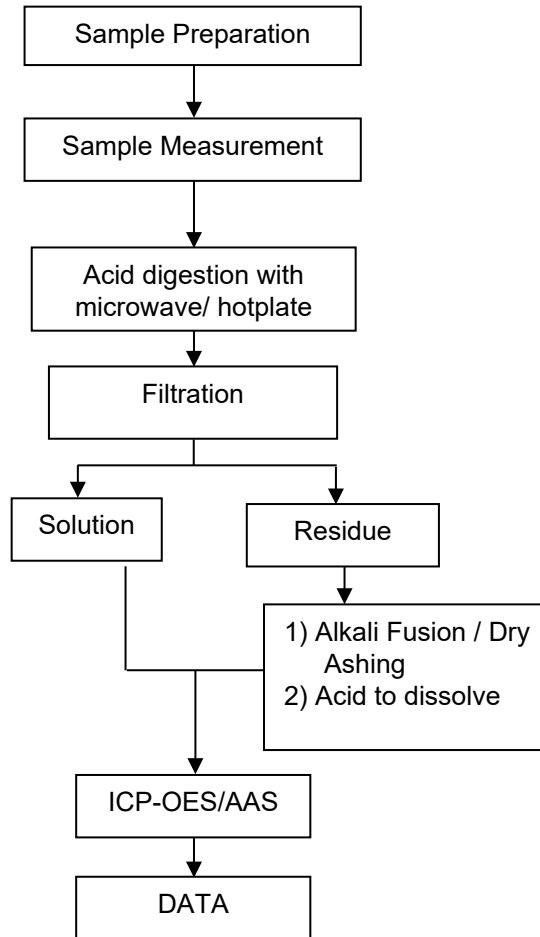
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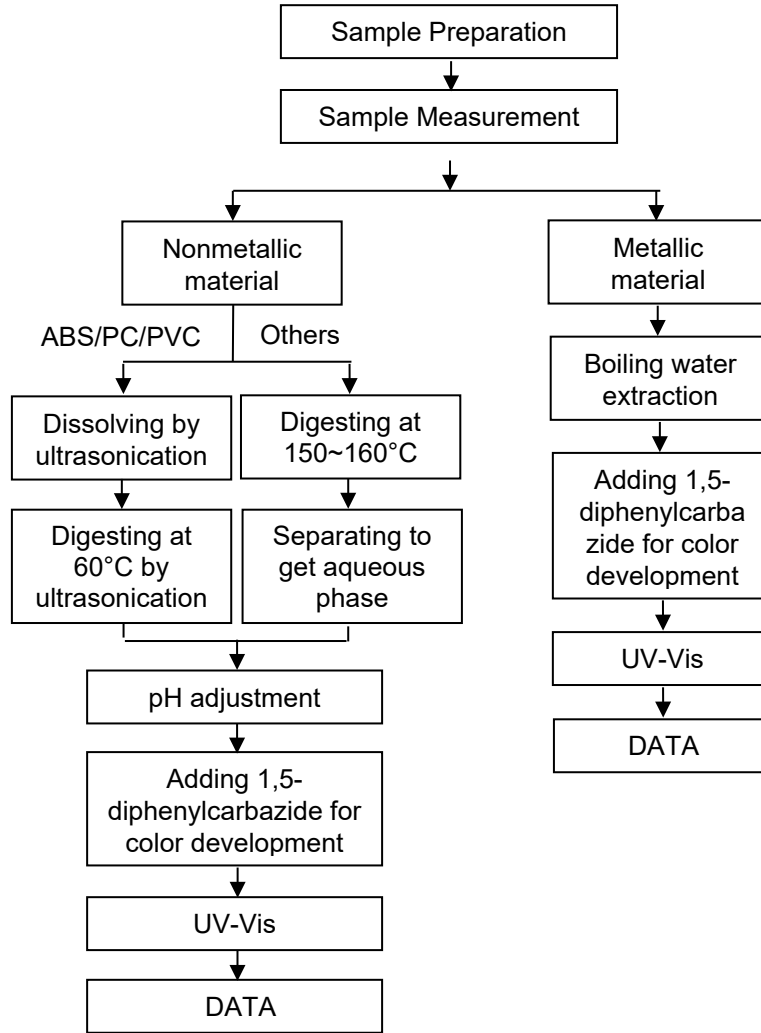
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**Hexavalent Chromium (Cr(VI)) Testing Flow Chart**



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