



PROPERTIES OF TAK MATERIALS (TAK 材質表)

Mn-Zn Ferrite Series (For High μ MATERIALS) 錳-鋅氧化磁鐵粉系列(高頻使用)

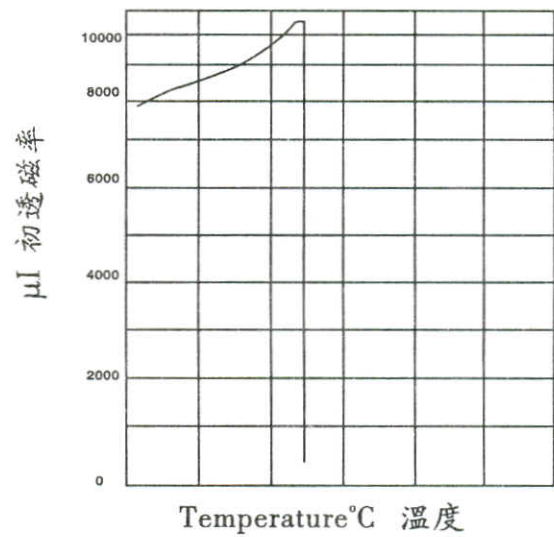
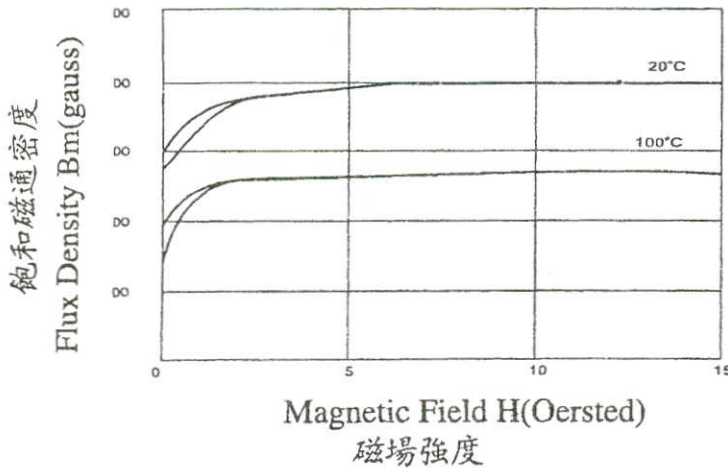
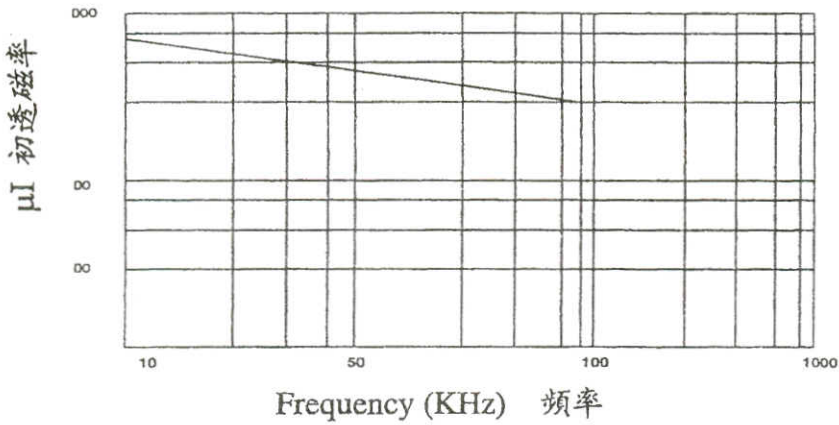
CHARACTERISTICS(特性)	UNIT(單位)	T2	T3	T5	T7	TP40	T10	T2M
μ iac (初透磁率)	----	2800	3500	5500	7500	2400	9800	2000
APPLICABLE 適用 FREQUENCY 頻率	MHz(百萬赫茲)	<0.4	<0.2	<0.1	<0.1	<0.4	<0.1	<0.5
Bm(飽和磁束密度)	Gauss(高斯)	4800	4600	4000	4000	5100	4500	5100
Br(殘留磁束密度)	Gauss(高斯)	1400	1350	1250	1250	1100	1200	1300
Hc(保持力)	Oersted(奧斯特)	0.15	0.18	0.08	0.07	0.13	0.08	0.12
Tc(居禮溫度)	°C(攝氏)	200	180	110	110	210	140	220
α μ r(溫度係數)	$\times 10^{-6}/^{\circ}\text{C}$ (攝氏)	4	1.5	1.5	0.6	8	-0.1	6
Tan δ / μ iac (相對損失因子)	$\times 10^{-6}$	10	8.0	20	25	5	2	8
d(密度)	g/cm ³ (公克/立方公分)	4.8	4.8	4.9	4.9	4.8	4.8	4.9
ρ (表面阻抗)	Ω cm(歐姆)	300	30	15	10	650	50	600





TAK

MATERIAL T7 CHARACTERISTICS (T7 材質特性)



TAK Ferrite



Test Report

No. CANEC0800556107

Date: 05 Mar 2008

Page 1 of 4

SUPER ELECTRONICS CO.,LTD
NO 523 SINYI RD DASI TOWNSHIP TAOYUAN COUNTY
335
TAIWAN

The following sample(s) was/were submitted and identified on behalf of the clients as :
SE07MATERIAL FERRITE CORE

SGS Job No. : 10870088 - SZ
SGS Internal Reference No. : 18.7
Date of Sample Received : 29 Feb 2008
Testing Period : 29 Feb 2008 - 04 Mar 2008

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

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

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

Signed for and on behalf of
SGS-CSTC Ltd.

Huang Fang, Sunny
Sr. Engineer

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SGS-CSTC Standards Technical Services Co., Ltd
Guangzhou Branch Testing Service Laboratory

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Test Report

No. CANEC0800556107

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Page 2 of 4

Test Results:

ID for specimen 1 : CAN08-005561.007

Description for specimen 1 : Dk-gray core

Heavy metal(s)

Test Item(s)	Unit	Test Method (Reference)	Result	MDL
Cadmium (Cd)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Lead (Pb)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Mercury (Hg)	mg/kg	IEC 62321/2nd CDV (111/95/CDV), ICP-OES	N.D.	2
Hexavalent Chromium (CrVI) by alkaline extraction	mg/kg	IEC 62321/2nd CDV (111/95/CDV), UV-Vis	N.D.	2

Note:

- 1. mg/kg = ppm
- 2. N.D. = Not Detected (< MDL)
- 3. MDL = Method Detection Limit

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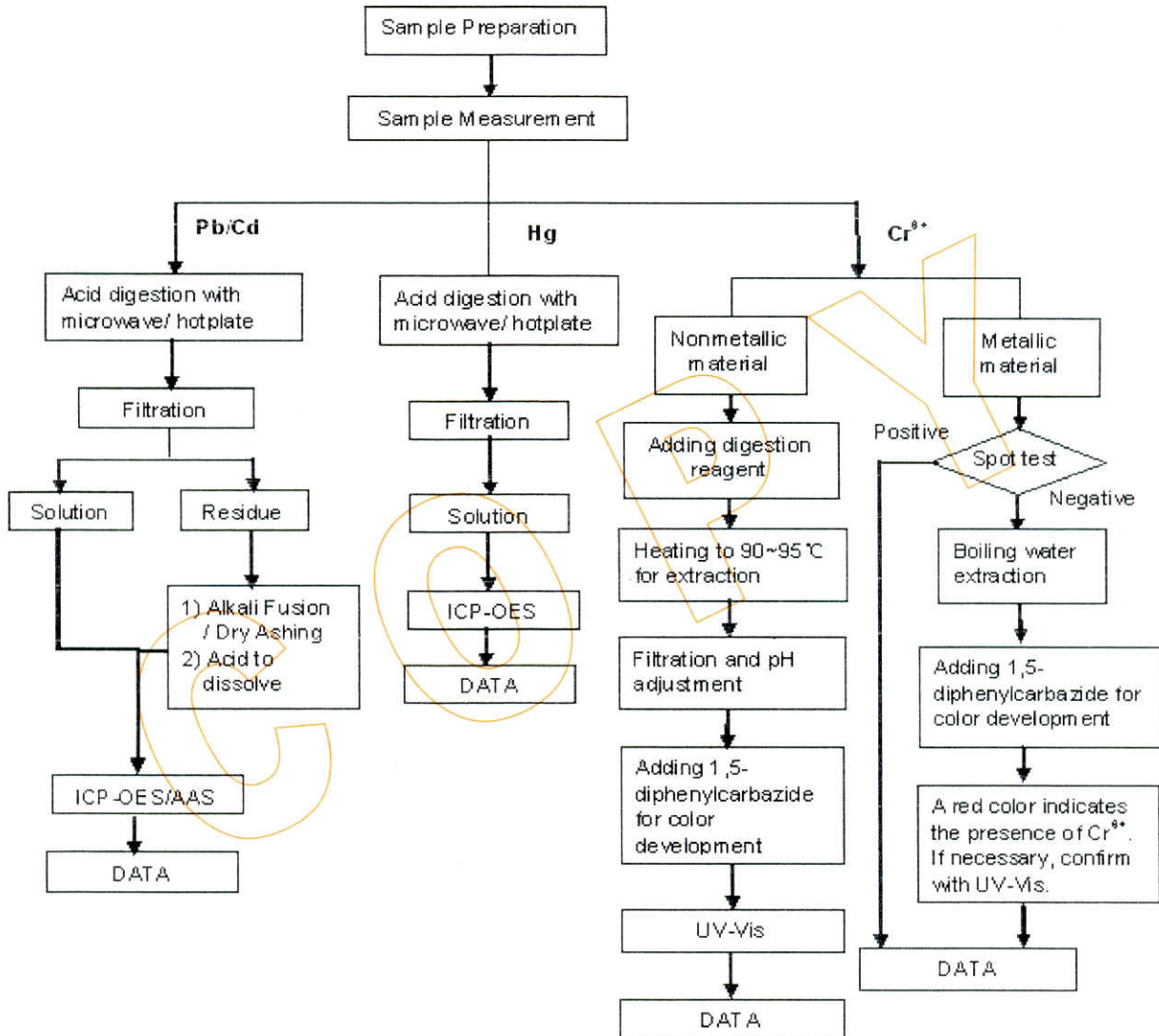
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GZCM 5024084

ATTACHMENTS

Testing Flow Chart

- 1) Name of the person who made measurement: David Shen
- 2) Name of the person in charge of measurement: Emily Feng



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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