

## Test Report

No. CANEC2005721503

Date: 06 May 2020

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WINDAY ELECTRONIC (DONG GUAN) CO.,LTD

LONG QUAN INDUSTRY XIN-JIU-WEI TERRITORY LIAO BU VILLAGE DONGGUAN CITY GUANGDONG  
523000, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : METALLIZEDFILM  
CAPACITOR

SGS Job No. : CP20-017861 - SZ  
Model No. : MPP  
Client Ref. Info. : MEF, MEM,, MPM, PEN, MPH, MEH, PPN, MPPS, MTF, MTP,  
PSM, MMS, MPJ, EMPP, EMPE, TMPE, FMPE, DMPE, DMPP,  
PEM, PEI, PPI, TMPE, TMPP, EPEM, MPEM  
Material No. : MPP  
Date of Sample Received : 23 Apr 2020  
Testing Period : 23 Apr 2020 - 28 Apr 2020  
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 Standards Technical Services Co., Ltd. Guangzhou Branch

*Violet Shi*

Violet, Shi  
Approved Signatory



Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN20-057215.005	"METALLIZEDFILM CAPACITOR"(mixed)

Remarks :

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

**Polycyclic Aromatic Hydrocarbons (PAHs)**

Test Method : With reference to AfPS GS 2019:01 PAK, analysis was performed by GC-MS.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Naphthalene(NAP)	91-20-3	mg/kg	0.1	ND
Phenanthrene(PHE)	85-01-8	mg/kg	0.1	ND
Anthracene(ANT)	120-12-7	mg/kg	0.1	ND
Fluoranthene(FLT)	206-44-0	mg/kg	0.1	ND
Pyrene(PYR)	129-00-0	mg/kg	0.1	ND
Benzo(a)anthracene(BaA)	56-55-3	mg/kg	0.1	ND
Chrysene(CHR)	218-01-9	mg/kg	0.1	ND
Benzo(b)fluoranthene(BbF)	205-99-2	mg/kg	0.1	ND
Benzo(j)fluoranthene(BjF)	205-82-3	mg/kg	0.1	ND
Benzo(k)fluoranthene(BkF)	207-08-9	mg/kg	0.1	ND
Benzo(a)pyrene(BaP)	50-32-8	mg/kg	0.1	ND
Benzo(e)pyrene(BeP)	192-97-2	mg/kg	0.1	ND
Indeno(1,2,3-c,d)pyrene(IPY)	193-39-5	mg/kg	0.1	ND
Dibenzo(a,h)anthracene(DBA)	53-70-3	mg/kg	0.1	ND
Benzo(g,h,i)perylene(BPE)	191-24-2	mg/kg	0.1	ND
Sum of 4 PAHs (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	-	ND
Sum of 15 PAHs	-	mg/kg	-	ND



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN\_Doccheck@sgs.com

**AfPS (German commission for Product Safety) : GS PAHs requirements**

Parameter	Category 1	Category 2		Category 3	
	Materials, that are destined in mouth closed or material in toys according to Directive 2009/48 EC or materials in articles for use by children up to 3 years with longer term according to skin contact (longer than 30s) at intended use	Materials not covered in category 1, with foreseeable contact to skin longer than 30 seconds (long-term skin contact) or repeated short term skin contact at intended or foreseeable use		Materials that do not fall in category 1 or 2, with foreseeable contact to skin up to 30 seconds (short-term skin contact) at intended or foreseeable use	
		Used by Children (<14 years)	Other Consumer Products	Used by Children (<14 years)	Other Consumer Products
Benzo(a)pyrene (BaP) Benzo(e)pyrene (BeP) Benzo(a)anthracene (BaA) Benzo(b)fluoranthene (BbF) Benzo(j)fluoranthene (BjF) Benzo(k)fluoranthene (BkF) Chrysene (CHR) Dibenzo(a,h)anthracene (DBA) Benzo(g,h,i)perylene (BPE) Indeno(1,2,3-c,d)pyrene (IPY)	< 0.2 mg/kg (each)	< 0.2 mg/kg (each)	< 0.5 mg/kg (each)	< 0.5 mg/kg (each)	< 1 mg/kg (each)
Phenanthrene (PHE) Pyrene (PYR) Anthracene (ANT) Fluoranthene (FLT)	< 1 mg/kg (Sum)	< 5 mg/kg (Sum)	< 10 mg/kg (Sum)	< 20 mg/kg (Sum)	< 50 mg/kg (Sum)
Naphthalene (NAP)	< 1 mg/kg	< 2 mg/kg		< 10 mg/kg	
Sum of 15 PAHs	<1 mg/kg	< 5 mg/kg	< 10 mg/kg	< 20 mg/kg	< 50 mg/kg

**Remark:**

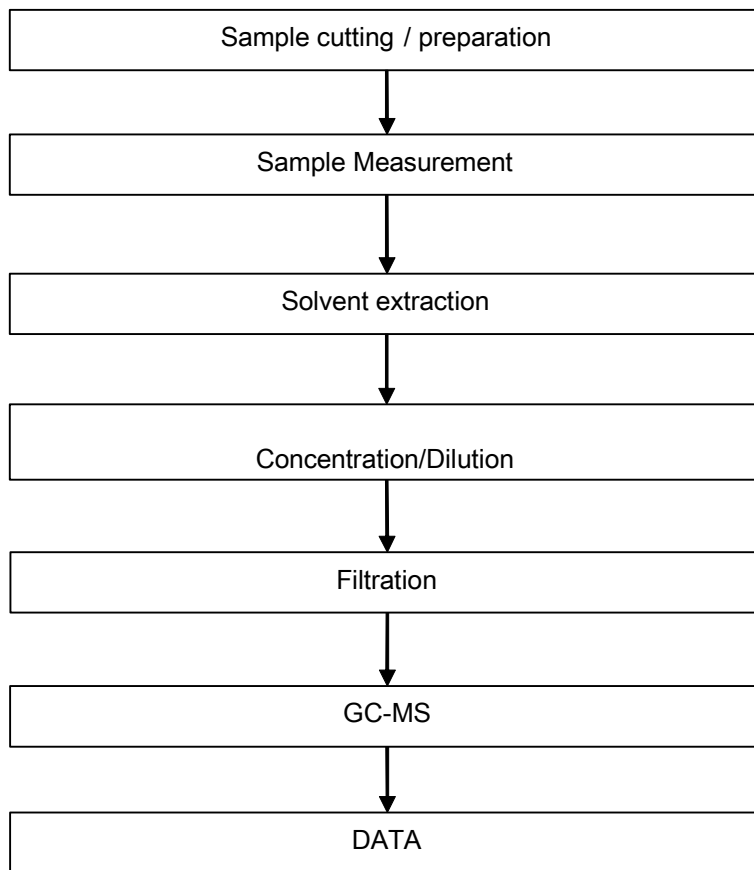
The German committee on Product Safety (AfPS) published a new PAHs document (AfPS GS 2019:01 PAK) on May 15, 2019, which will be binding for the issue of GS mark certificate from 1 July 2020. The previously valid document (AfPS GS 2014:01 PAK) can be used during the transitional period to determine the procedure for existing certificates and new certificates; also, there are exceptions.

Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

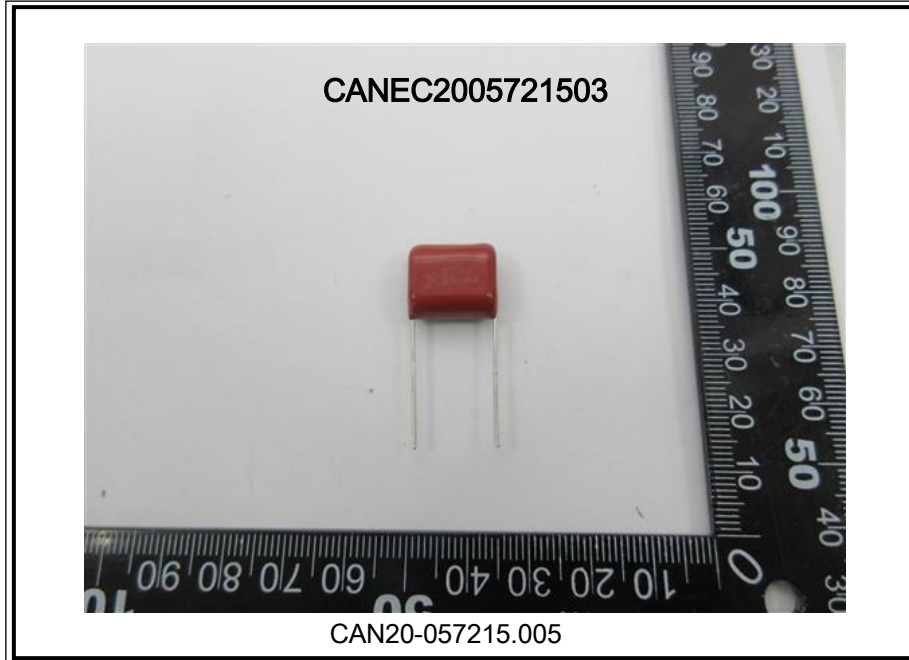


## ATTACHMENTS

### PAHs Testing Flow Chart



Sample photo:



SGS authenticate the photo on original report only

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

