



CENTRE FOR ADVANCED ANALYTICAL TOXICOLOGY SERVICES  
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## **CERTIFICATE OF ANALYSIS**

No : 12FX0009305151109

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Title : **ANALYSIS OF DIOXIN / FURAN**

Customer : **MEDCIN PHARMA SDN BHD**  
**A-11-2,BLOCK A,CENTREPOINT BUSINESS PARK,NO.5,JALAN 26/35,**  
**40400,SEKSYEN 26,SHAH ALAM.**

Customer Sample ID : **SE 4737 DEER PLACENTA**

DCC Sample ID : **12FX00093**

Date Received : **18/04/2012** Date Reported : **15/05/2012**

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Methodology : **DCC LSOP 24v2.0 - High Resolution Gas Chromatography High Resolution Mass Spectrometry (HRGC/HRMS).**

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Observation / Comment:NA

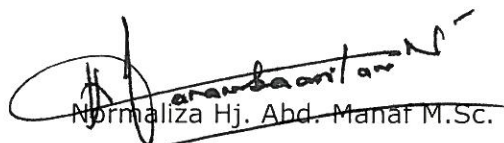
### **TEST RESULTS** ( According to WHO )

**Sum TEQ max. (PCDD/PCDF) : 0.13 i-TEQ pg/g**

**Sum TEQ min. (PCDD/PCDF) : 0.07 i-TEQ pg/g**

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Authorized by:

  
Normaliza Hj. Abd. Manaf M.Sc.  
Certifying Analyst

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*The results contained herein relate only to the items tested.*

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# Results of PCDD/PCDF Analysis

No : 12FX0009305151110

**Customer Name** : MEDCIN PHARMA SDN BHD  
**Customer Sample Name** : SE 4737 DEER PLACENTA  
**Laboratory Sample ID** : 12FX00093  
**Date of Analysis** : 14/5/2012

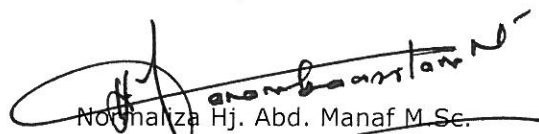
	WHO 2005 I-TEF	Quantity in sample pg/g	WHO I-TEQ pg/g	
2,3,7,8-TCDF	0.10000	0.04	0.00	
2,3,7,8-TCDD	1.00000	0.02	0.02	
1,2,3,7,8-PeCDF	0.03000	0.05	0.00	
2,3,4,7,8-PeCDF	0.30000	0.05	0.02	
1,2,3,7,8-PeCDD	1.00000	0.05	0.05	
1,2,3,4,7,8-HxCDF	0.10000	0.05	0.01	
1,2,3,6,7,8-HxCDF	0.10000	0.05	0.01	
2,3,4,6,7,8-HxCDF	0.10000	0.05	0.01	
1,2,3,7,8,9-HxCDF	0.10000	0.05	0.01	
1,2,3,4,7,8-HxCDD	0.10000	0.05	0.01	
1,2,3,6,7,8-HxCDD	0.10000	0.05	0.01	
1,2,3,7,8,9-HxCDD	0.10000	0.05	0.01	
1,2,3,4,6,7,8-HpCDF	0.01000	0.10	0.00	
1,2,3,4,7,8,9-HpCDF	0.01000	0.14	0.00	
1,2,3,4,6,7,8-HpCDD	0.01000	0.18	0.00	
OCDF	0.00030	0.10	0.00	
OCDD	0.00030	1.81	0.00	
<b>Total i-TEQ</b>			0.13	

Where LOQ is indicated, the maximum i-TEQ is based in the limit of quantification of the congeners.

**WHO-TEQ including LOQ (PCDD/PCDF) :** 0.13 i-TEQ pg/g

**WHO-TEQ excluding LOQ (PCDD/PCDF) :** 0.07 i-TEQ pg/g

Authorized by:

  
Norhaniza Hj. Abd. Manaf M.Sc.  
Certifying Analyst

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Unless otherwise stated, the DOPing Control Centre has not participated in the sample collection and thus cannot validate adherence to quality guidelines.