

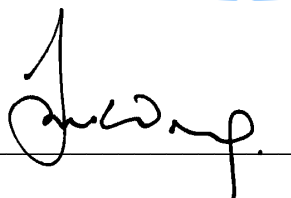
**ORGANOCHLORINE  
PESTICIDES  
IN  
GREEN TEA**

**INTER-LABORATORY  
COMPARISON PROGRAM**

**HKGL0903**

**FINAL REPORT**

**30 March 2010**



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## Summary of Results

1. The objective of this interlaboratory comparison program (HKGL0903) was to evaluate the capability of participants on the quantitative analysis of three organochlorine pesticides ( $\alpha$ -Endosulfan,  $\beta$ -Endosulfan and Endosulfan Sulphate) in green tea.
2. A total of 8 local laboratories registered the program and 7 of them returned results to the organizer within the scheduled timeline. Consensus mean that determined using robust test and target standard deviation derived from Horwitz equation were used to assess participants' performance.
3. Summary of participants' results:

Parameter	$\alpha$ -Endosulfan	$\beta$ -Endosulfan	Endosulfan sulphate
Data submitted	7	7	7
Consensus mean $\pm$ MU ( $\mu\text{g}/\text{kg}$ )	273 $\pm$ 75	556 $\pm$ 127	429 $\pm$ 127
Median ( $\mu\text{g}/\text{kg}$ )	272	530	445
Range ( $\mu\text{g}/\text{kg}$ )	196 – 372	278 – 777	196 – 741
Between-lab. variation (%)	28.9	23.9	31.0
Horwitz SD (%)	19.3	17.3	18.0

4. Summary of participants' z-scores

Lab. Code	$\alpha$ -Endosulfan	$\beta$ -Endosulfan	Endosulfan sulphate
1	-1.5	-2.9	-3.0
2	1.9	2.3	4.0
3	-0.03	-0.27	0.21
4	-1.3	-0.56	-1.0
5	0.66	0.61	0.43
6	1.3	0.74	1.0
7	-1.1	-0.51	-0.73