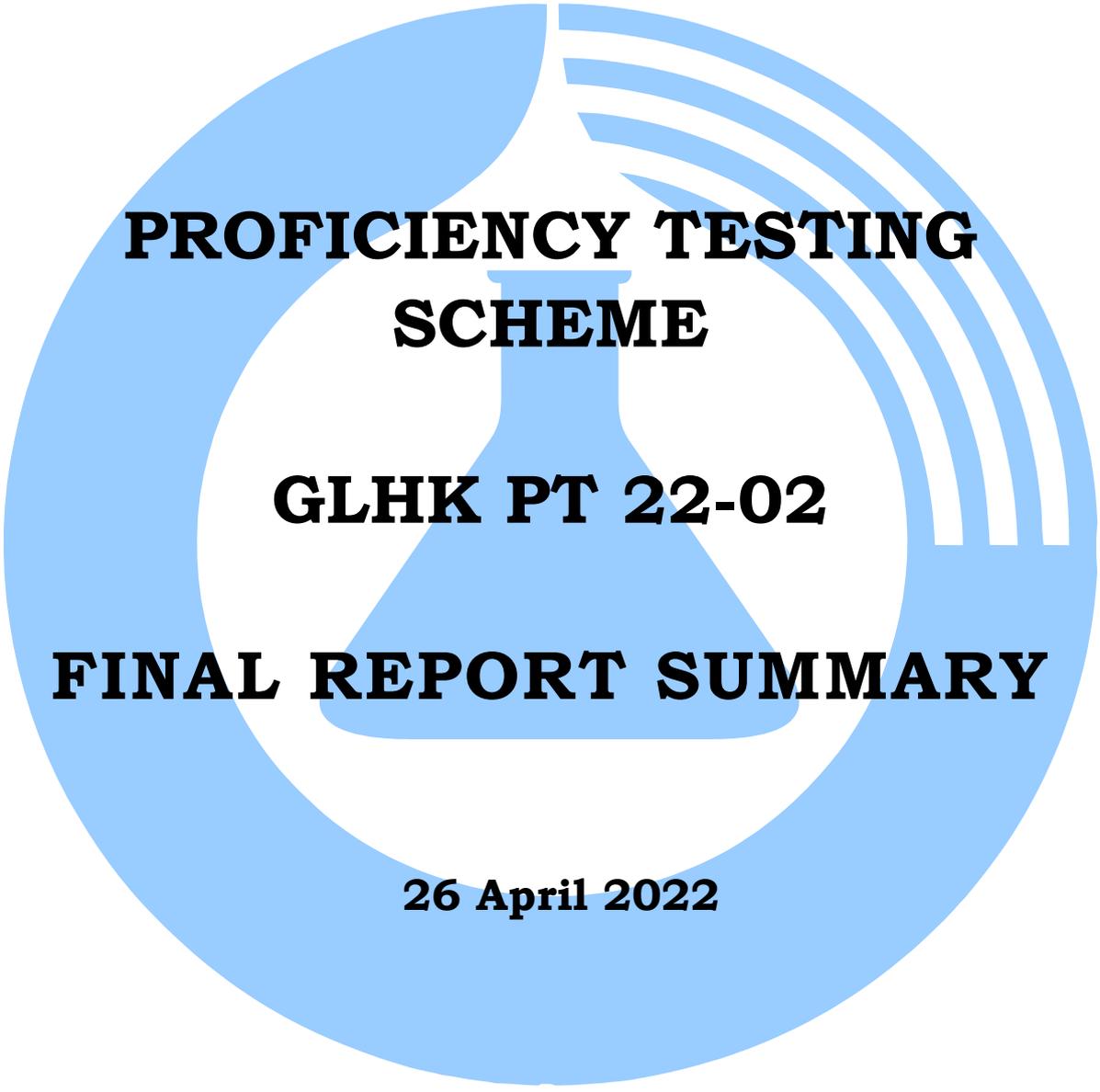


**PROPIONIC ACID
IN FLOUR CONFECTIONERY**



**PROFICIENCY TESTING
SCHEME**

GLHK PT 22-02

FINAL REPORT SUMMARY

26 April 2022



Government Laboratory
Proficiency Testing Scheme (GLHK PT 22-02)
Propionic Acid in Flour Confectionery

Summary of Results

1. This proficiency testing (PT) scheme (GLHK PT 22-02) was organised by Government Laboratory of the HKSAR Government (GLHK) and aimed at providing a platform to evaluate the testing capability of participating laboratories in analysing propionic acid in flour confectionery.
2. A total of 11 laboratories in Hong Kong enrolled in the PT scheme and 10 of them returned the analytical results to the organiser on or before the deadline for the result submission.
3. The assigned value was derived from the robust analysis of participants' results. The standard deviation for proficiency assessment was derived from the Horwitz Equation. Individual laboratory performance was expressed in terms of z-scores.
4. The z-scores of the participants are summarized as follows:-

z-Score	Number of participants (Percentage)
$ z \leq 2.0$	9 (90%)
$2.0 < z < 3.0$	0 (0%)
$ z \geq 3.0$	1 (10%)
Total :	10 (100%)