



National Referral Laboratory
ICAR-National Research Centre for Grapes, Pune



PT ID: NRL/PT-FV/2024/Grape-3 **Last date for reporting of results:** 8th October, 2024

Product / Matrix: Grape Homogenate

Quantity: Approx. 100 g

INSTRUCTIONS TO PARTICIPANT

National Referral Laboratory (NRL) is organizing the Proficiency Testing (PT) program as per the details given in announcement. PT test item preparation was carried out at, NRL, ICAR-NRC for Grapes, Pune. The homogeneity of the PT test item has already been conducted and found satisfactory.

General Instructions to participant:

- The proficiency test (PT) items need to be treated in the same manner as your routine test samples.
- Participants provided with proficiency test (PT) items, grape homogenate Approx. 100 gm.
- The dully filled Sample Acknowledgement form should be sent to NRL, NRCG immediately after receipt of the PT item.
- No complaint will be accepted at a later date on the condition of PT.
- Homogeneity test has been conducted for the proficiency test items prepared & found satisfactory.
- Handling of PT Items: The test item should be stored at 2-8°C (under refrigerated condition) prior to analysis thus avoiding any possible deterioration/spoilage. If the sample is required to be stored for more than 24 hours before analysis, it should be kept at 0°C or lower temperature. The test item should be mixed thoroughly before taking the analytical portion(s). The frozen sample (PT test item) should be allowed for natural thawing to room temperature before taking the analytical portion.
- All participants should use their own routine standard operating procedures for extractions, clean-up and analytical measurement and their own reference standards for identification and quantification.
- The proficiency test items should be analyzed by using any validated method routinely followed in the laboratory

- The proficiency test items are hazardous chemicals and requires to be handled with care as per the laboratories standard operating procedure.
- Result of analysis should be submitted in soft copy within stipulated time (on or before last date of result submission, i.e., **08-10-2024**). Result must be submitted according to parameters given in the test report format. **Hand written results in test report formats are not allowed (Soft copy is available on the NRCG website/already sent by email to participant).**
- All analyte concentrations found positive in the sample must be expressed in mg kg⁻¹ with **three decimal places**, together with the associated recovery expressed as a percentage.
- Results should be reported as **“Below Limit of Quantitation (BLQ)”** if the concentration of detected pesticide is less than the LOQ of the laboratory.
- If a tested analyte from the target list is not detected in the PT test item (i.e., concentration below LOD of the laboratory), it should be reported as **“Not Detected (ND)”**
- If a pesticide in the target list was not analysed/sought by the laboratory, it should be recorded as **“Not Analysed (NA)”**
- Result has to be reported either in value (mg Kg⁻¹ in three decimal), Below Limit of Quantification (BLQ), Not Detected (ND) or Not Analysed (NA). **If a result column is empty for the respective pesticide, then it will be considered as "Not Analysed (NA)".**
- Results should be checked thoroughly before submitting to NRL, NRCG. Once received, no changes will be accepted in concentration/calculation or interpretation of results.
- After analysis balance sample should be stored in controlled condition as per laboratories standard storage practices/procedure for storing the samples. It should be discarded after the retention period as per the procedure established by the laboratory for hazardous chemicals or material.
- Any correspondence or query regarding the PT program may be addressed to;

Dr. Ahammed Shabeer T.P.

National Referral Laboratory

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The last date for submission of result is 08.10.2024