UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

PRODUCT NAME: Paraquat dichloride (Analytical Master Standard 99.9% purity)
PC CODE(s): 061601
COMPANY: Syngenta Crop Protection, LLC
STUDY No.: 8526377
STUDY TITLE ID: PP148

DATE OUT: February 20, 2024

SUBJECT: Product Chemistry Review of the Vapor Pressure of Paraquat Dichloride

FROM: Dehui Duan, PhD DehuiDuan 2-21-2024
Product Chemistry Team, CITAB/RD (7505T)

THROUGH: Shyam Mathur, PhD sbmathur 02-21-2024
Product Chemistry Team Leader, CITAB/RD (7505T)

TO: Kelly Sherman, Chief
Risk Management and Implementation Branch III
Pesticide Re-Evaluation Division

INTRODUCTION:

The registrant has submitted a new vapor pressure study on paraquat dichloride, which is the active ingredient in EPA Reg. No. 100-1067, in response to Agency's concerns related to human health and evaluations of risks and benefits of the paraquat ID. CITAB has been asked to determine acceptability of the data submitted.

SUMMARY OF FINDINGS:

Name of Active Ingredient(s):

PC CODE	Active Ingredient	Content of AI in product	Source of the Material
061601	paraquat dichloride	99.9% (Certificate of Analysis)	Syngenta Limited, Huddersfield Munufacturing Centre, UK

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Group **B:**

Guideline No.	**Study Title**	**Value or Qualitative Description**	**CITAB's Assessment of Data**	**MRID Nos. / Or Self-certification date**
830.7950	Vapor Pressure	4.0×10^{-4} Pa at 20.0°C 5.3×10^{-4} Pa at 25.0°C Determined by Extrapolation following a vapor balance procedure	A	Labcorp study No: 8526377 (attached behind)

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request, NA = Not applicable, I = In progress; U = Upgradeable.

CONCLUSIONS:

CITAB has reviewed the product chemistry data submitted and has concluded that the data of vapor pressure for paraquat dichloride in 99.9% of purity are acceptable.

NOTE:

1. The study was conducted by a GLP-compliant Laboraory.
2. The analytical procedure is compatible with the OPPTS guidelines.
3. The final report was attached right behind the review.