



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Clarke Mosquito Control Products
610 Lunt Ave., Schaumburg, IL, 60193

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Analytical Chemical, Mechanical, and Dimensional Testing of Mosquito Control Products
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

September 22, 2019

Issue Date:

October 4, 2021

Expiration Date:

November 30, 2023

Accreditation No.:

103290

Certificate No.:

L21-584

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Clarke Mosquito Control Products

610 Lunt Ave., Schaumburg, IL, 60193
 Contact Name: Chris Quanstrum Phone: 630-432-7956

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Mechanical ^F	Liquid, Tablet, Granule	Odor	PTM-001	Slight mint; Mint Scent Early Scent Faint to no Scent; Citrus Scent
		Color	PTM-002	Amber (Gardner 1-18); Amber/Brownish Liquid, Solid Tan/White to Light Tan bi-layer Tablet; White to Tan Granule; Solid Multi-Colored Granule
	Tablet	Dustiness		Essentially non-dusty
		Tablet Integrity		All tablets must be intact and display no cracking/breakage
		Tablet Fracture Strength	PTM-003	D.L. = ≥ 50 Newtons
		Cap Delamination	PTM-010	No Delamination; no defects
		Tablet Weight (whole)	PTM-011	0.5 g to 150 g
	Liquid	Density Specific Gravity	PTM-005	1 g/mL to 1.22 g/mL
		Emulsion Test (bottom cream)	PTM-007	0 mL to 50 mL
	Granule	Moisture	PTM-013	Up to 95 %
		Pour Density	PTM-008	1 g/mL to 2 g/mL
		Tap Density		0.3 g/mL to 0.8 g/mL
		Dustiness	PTM-009	No Chaff
Dimensional ^F	Granule	Particle Size Range		0 % to 100 % range on various screens
		Dustiness		D.L. = ≤ 10 % Dust
	Tablet	Tablet Thickness, Tablet Diameter, Tablet Length, Tablet Width	PTM-012	0.5 mm to 150 mm
Chemical ^F	Liquid, Tablet, Granule	pH	PTM-006	4 pH to 10 pH
	Liquid	Imidacloprid Content (w/w)	CV-006	1.5 % w/w to 4.5 % w/w
		Prallethrin Content (w/w)		0.38 % w/w to 1.12 % w/w
		Spinosad Content (w/w)	SP-006	10.31 % w/w to 30.93 % w/w
	Granule		SP-003	1.25 % w/w to 3.75 % w/w
			SP-005	0.23 % w/w to 0.75 % w/w
	Tablet		SP-007	3.74 % w/w to 11.22 % w/w
				4.17 % w/w to 12.49 % w/w
			3.13 % w/w to 9.37 % w/w	

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.