



CERTIFICATE OF ANALYSIS

Name	VECTRA 3D DOG 1.5-4 KG	Batch N°	1556900
Presentation	3P		
Code list	C66110A	Manufacturing date	21-FEB-2014
		Expiry date	21-JAN-2017

Tests	Specifications	Results
CHARACTERS		
Appearance :	Pale yellow solution	COMPLIES
Relative density :	1.050 - 1.150	1.101
IDENTIFICATIONS		
Permethrin : (by HPLC/UV diode array)	Rt of test substance concordant with the Rt of reference substance and UV spectra superimposable	COMPLIES
Pyriproxyfen : (by HPLC/UV diode array)	Rt of test substance concordant with the Rt of reference substance and UV spectra superimposable	COMPLIES
Dinotefuran : (by HPLC/UV diode array)	Rt of test substance concordant with the Rt of reference substance and UV spectra superimposable	COMPLIES
TESTS		
Clarity :	Clear solution	COMPLIES
Degree of coloration :	<=Y2	COMPLIES
Water content (KF):	<=3.0 %	0.2
Uniformity of dosage units :	Complies to Ph.Eur. 2.9.40	COMPLIES
Average delivered mass per pipette (mg) :	836 - 924 mg	857
ASSAYS		
Permethrin content (mg/pipette) :	301.63 - 333.38 mg/pipette	306.04

This batch has been tested in reference to the dossier in force and has been found to meet the specification requirements

COMPLIES / NOT COMPLIES

Checked by : Marine BREPSON

Batch Release number 347372

Batch Release date 24-MAR-2014

ACCEPTED by

Vassilios KALTSATOS
Qualified Person

The undersigned certifies this is a true copy of the results of tests and assays.

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CERTIFICATE OF ANALYSIS

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Tests	Specifications	Results
ASSAYS		
Permethrin content (%w/w) :	34.28 - 37.88 g %g	35.73
Trans-permethrin (%) :	55.0 - 65.0 %	58.4
Cis-permethrin (%) :	35.0 - 45.0 %	41.6
Pyriproxifen content (mg/pipette) :	3.68 - 4.07 mg/pipette	3.74
Pyriproxifen content (%w/w) :	0.418 - 0.462 g %g	0.437
Dinotefuran content (mg/pipette) :	41.38 - 45.74 mg/pipette	42.23
Dinotefuran content (%w/w) :	4.70 - 5.20 g %g	4.93
DEGRADATION PRODUCTS (HPLC)		
- DEGRADATION PRODUCTS OF PERMETHRIN (%) :		
3-Phenoxybenzyl alcohol (Imp.A)	<=1.0	0.1
3-Phenoxybenzaldehyde (Imp.B)	<=1.0	0.1
Single known :		
- RRT 0.32	<=1.0	0.0
- RRT 0.35	<=1.0	0.0
- RRT 0.39	<=1.0	0.0
- RRT 0.41	<=1.0	0.0

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COMPLIES / NOT COMPLIES

Checked by : **Marine BREPSON**

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347372

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24-MAR-2014

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