



CERTIFICADO DE ANÁLISIS (COA)

Producto: Flumetrina
CAS N°: 69770-45-2


Certificate of Analysis


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Name of Product : FLUMETHRIN	
Batch No. : FLM/003/21	Batch Qty. : 1066 kgs
A. R. No. : ADL/21/01127	Sample Qty : 100.00 gms
Mfg. Date : Mar-2021	Exp.Date : Feb-2023
Date of Analysis : 30/03/2021	Date of Release : 30/03/2021

Sr. No.	Tests	Observations	Specifications
01	Description	Yellowish brown highly viscous liquid	Yellow to brown highly viscous liquid
02	Identification by HPLC	Complies	The retention time of the major peak in the chromatogram of sample solution should correspond in the chromatogram obtained with standard solution in the test of Assay by HPLC.
03	Water content (% w/w by KF)	0.06	Not more than 0.5
04	Chromatographic Purity (% w/w, by HPLC)	98.5	Not less than 92.0
05	Related Substances (% w/w, by HPLC)		
	4-Fluoro-3-phenoxybenzaldehyde	0.20	Not more than 2.0
	4-Fluoro-3-phenoxybenzoic acid	ND	Not more than 1.0
	Flumethric acid	0.13	Not more than 2.0
	4-phenoxy Flumethrin	0.28	Not more than 0.5
	Any Individual Impurity	0.20	Not more than 1.0
	Total Impurities	1.5	Not more than 8.0
06	Assay by HPLC (% w/w on anhydrous basis)	97.2	Not less than 90.0
07	Isomer ratio (% area)		
	Trans Z ₁ isomer (Z ₁ -Trans 1R 3S αR + Z ₁ -Trans 1S 3R αS)	61.6	Between 50-65
	Trans Z ₂ isomer (Z ₂ -Trans 1R,3S αS+ Z ₂ -Trans 1S 3R αR)	38.4	Between 50-35

Remark: The above batch Complies/~~Does not comply~~ as per specification.

Prepared By : 
Date : 30-Mar-2021

Approved By : 
Date : 30-Mar-2021

El presente documento es copia fiel del original.