

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	<b>Fluralaner</b>		
<b>Batch No.</b>	82220601		
<b>Manufacturing Date</b>	June 21, 2022	<b>Expiry Date TO</b>	June 20, 2024
<b>Quantity</b>	57.5kg	<b>Basis</b>	QS-1113
<b>Analytical results</b>			
<b>Items</b>	<b>Specifications</b>		<b>Results</b>
<b>Appearance</b>	White to light yellow powder		White powder
<b>Solubility</b>	Freely soluble in ethyl acetate or DMF.		Freely soluble in ethyl acetate and DMF.
<b>Identification</b>	HPLC: The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay		Complies
<b>Water</b>	Not more than 1.0%		0.076%
<b>Organic impurities</b>	Individual unspecified impurity not more than 0.20%		0.0063%
	Total impurities not more than 1.0%		0.011%
<b>Residual solven</b>	Dichloromethane not more than 0.060%		0.0094%
	N-hexane not more than 0.029%		0.0034%
	Ethyl acetate not more than 0.50%		0.0120%
	Tetrahydrofuran not more than 0.072%		Not detected
	Triethylamine not more than 0.50%		Not detected
	Toluene not more than 0.089%		0.00086%
	DMF not more than 0.088%		Not detected
<b>Residue on ignition</b>	Not more than 0.20%		0.0500%
<b>Heavy metal</b>	Not more than 20ppm		Complies
<b>Assay</b>	NLT 98.0% and NMT 102.0% of C <sub>22</sub> H <sub>17</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>3</sub> O <sub>3</sub> , calculated on the anhydrous basis		100.3000%
<b>Conclusion</b>	Meets the requirements of QS-1113		

Inspector: Carlifor Wu


 Verifier: Jack He