

## Certificate of Analysis

**Product Name:** Trifloxystrobin  
PESTANAL™, analytical standard

**Product Number:** 46447

**Batch Number:** BCCH8239

**CAS Number:** 141517-21-7

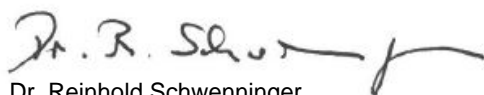
**Formula:** C<sub>20</sub>H<sub>19</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>

**Formula Weight:** 408.37

**Expiration Date:** MAY 2027

**Quality Release Date:** 16 JUN 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO OFF WHITE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (HPLC AREA %)	≥ 98.0 %	99.3 %
MELTING POINT	71 - 76 C	73 C
WATER	≤ 1.0 %	0.2 %
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Dr. Reinhold Schwenninger

Quality Assurance

Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Vanquish™ Flex UHPLC

<b>Pump :</b> VF-P20-A	<b>Injection Time:</b> 14.06.22 18:10
<b>Autosampler:</b> VF-A10-A	<b>Processed By:</b> murthale
<b>Detector:</b> VF-D11-A	<b>Vial Number:</b> R:C2
<b>Column:</b> Supelco Ascentis Express C18, 2.7 um	<b>Column S/N:</b> -
<b>Column Dim.:</b> 50 x 2.1 mm	<b>Sample Type:</b> Unknown
<b>Mobile Phase:</b>	<b>Injection Volume:</b> 1.0 µl
%A : ACN	<b>Flow:</b> 1.00 ml/min
%B : H3PO4 0.01 M	<b>Column Temp. (°C):</b> 35.00
%C : %C	<b>Run Time:</b> 6.00 min
%D : %D	
<b>Gradient :</b> see Figure 1	
<b>Sample Prep.:</b> 0.5 mg sample in 1 ml methanol	

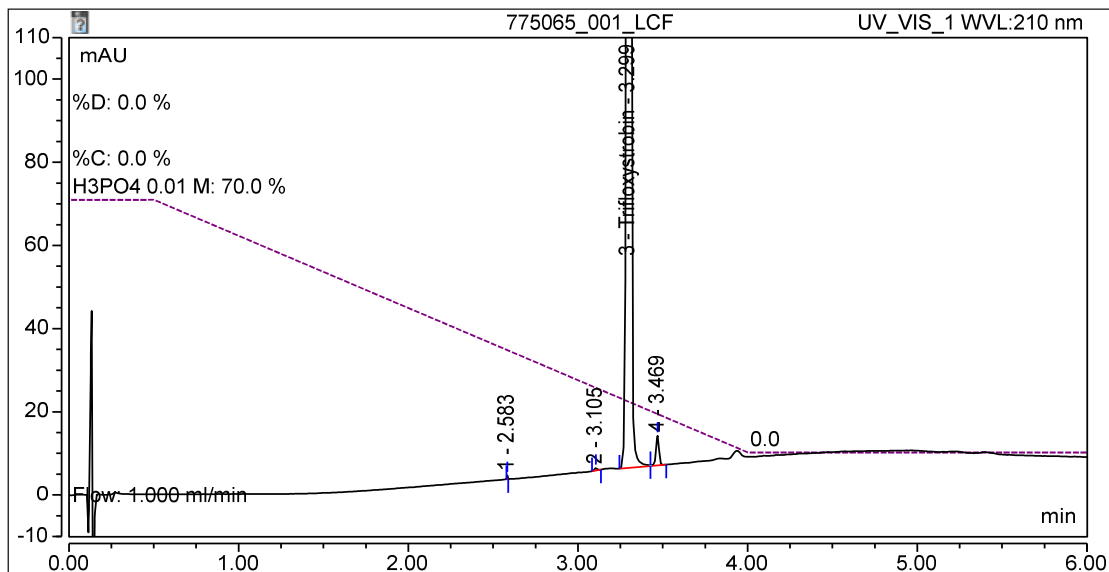


Figure 1: Zoomed Chromatogram

No.	Ret. Time min	Peak Name	Area mAU*min	Height mAU	Amount	Rel. Area %
1	2.583		0.00414	0.97112	n.a.	0.02
2	3.105		0.01144	0.62399	n.a.	0.05
3	3.299	Trifloxystrobin	21.53701	1126.86425	n.a.	99.28
4	3.469		0.13986	7.11827	n.a.	0.64
<b>Total:</b>			<b>21.69245</b>	<b>1135.57763</b>		<b>100.00</b>

Table 1: Integration

