

Job and Sample Information:	
Job No(s):	2023-0720
Client Order No/Reference:	SSF-064983
Date Sample(s) Received:	20th July 2023
Lab Code	Client Code
See below	See below

Methods
Emamectin Benzoate by reversed phase HPLC

Analytical Procedures

The samples were extracted and the emamectin benzoate was derivatized to give the *N*-trifluoroacetylated derivative. This was determined by reversed phase HPLC using fluorescence detection, and quantified using a series of external standards prepared from reference material. The limit of detection of the method used is typically about 0.1µg/kg wet weight. Quality control is achieved by monitoring recovery from standard addition to typical samples.

Results

The results are presented in the following table :

Sample Identity	Lab Code	Emamectin Benzoate B1a (µg/kg wet weight)
A1 #1	23/114908	ND
A1 #2	23/114909	ND
A1 #3	23/114910	ND
A2 #1	23/114911	ND
A2 #2	23/114912	ND
A2 #3	23/114913	ND
A3 #1	23/114914	0.1
A3 #2	23/114915	ND
A3 #3	23/114916	0.1
A4 #1	23/114917	ND
A4 #2	23/114918	ND
A4 #3	23/114919	ND
A5 #1	23/114920	ND
A5 #2	23/114921	ND
A5 #3	23/114922	ND
B1 #1	23/114923	ND
B1 #2	23/114924	ND
B1 #3	23/114925	ND
B2 #1	23/114926	0.1
B2 #2	23/114927	0.1
B2 #3	23/114928	ND
B3 #1	23/114929	ND
B3 #2	23/114930	ND
B3 #3	23/114931	ND
B4 #1	23/114932	0.1
B4 #2	23/114933	0.1
B4 #3	23/114934	ND
B5 #1	23/114935	ND
B5 #2	23/114936	ND
B5 #3	23/114937	ND
C1 #1	23/114938	ND
C1 #2	23/114939	ND
C1 #3	23/114940	ND
C2 #1	23/114941	ND
C2 #2	23/114942	ND
C2 #3	23/114943	ND
C3 #1	23/114944	0.1
C3 #2	23/114945	ND
C3 #3	23/114946	ND
C4 #1	23/114947	ND
C4 #2	23/114948	ND
C4 #3	23/114949	ND
C5 #1	23/114950	ND
C5 #2	23/114951	0.1
C5 #3	23/114952	0.1

ND – Not detected (see above comment about limit of detection)