SPECTRIX ANALYTICAL SERVICES
410 Sackett Point Road, Bldg 15, North Haven, CT 06473 ◆ Phone: 203-287-5674 ◆ Fax: 203-287-5497 ◆www.spectrixservices.com

Title: **Identity and Purity by UPLC-MS**

Date: **28OCT2025**	***Analyst:*** **Jianming Tao**

Submitter: Febbendazole Lab Inc

Company:18121 E HAMPDEN AVE,UNIT C 1334, AURORA, CO 80013, US ,
Email: info@fenbendazole-lab.com

Sample Identification:
One off-white powder sample. Received on 28 OCT 2025

Report Prepared By: **C. W./Jianming Tao** ***Report Reviewed By:*** **Jianming Tao**

Report Summary:

Sample ID:	Identity Confirmation: sample contains Fenbendazole (CAS# 43210-67-9)	HPLC Fenbendazole Purity at 203 nm, %	HPLC Fenbendazole Purity at 300 nm, %
FB-2025-10-10 (powder)	Yes	99.9	99.9

Average of duplicates

***Experimental Details*:**

Method details
Column: ACQUITY UPLC® BEH C18 1.7µm 2.1 x 50mm; (at 35°C)
Mobile phase A: 0.1% formic acid in water
Mobile phase B: Acetonitrile
Flow: 0.8mL/min
Injection volume: 1.5µL

Gradient
Hold 5% B 0-0.25min
5 - 95% B 0.25 – 7.75min
Hold 95% B 7.75 – 8.25min
95 – 5% B 8.25 – 8.35min
Hold 5% B 8.35 – 10min

UV detection
Fenbendazole: 203nm and 300nm

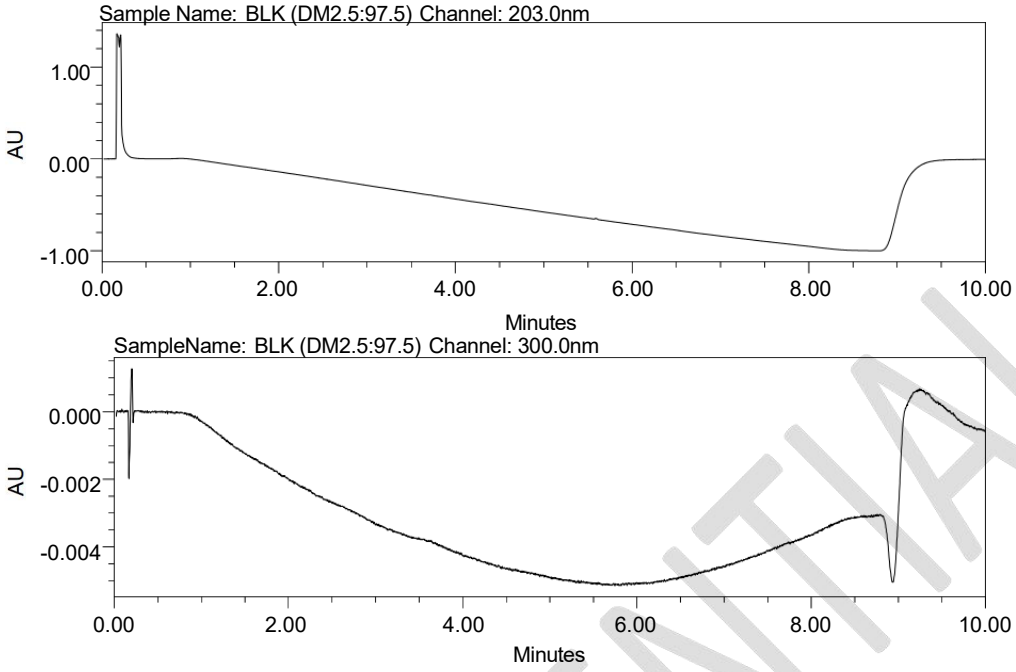
Mass Spectrometry (ESI +) on Waters QDa Detector:
M + H = 300 Da

Spectrix Analytical Services: 2025 REPORTS/
Fenbendazole Lab_ID&Purity_FenbendazolePowder_28OCT2025.doc

CONFIDENTIAL

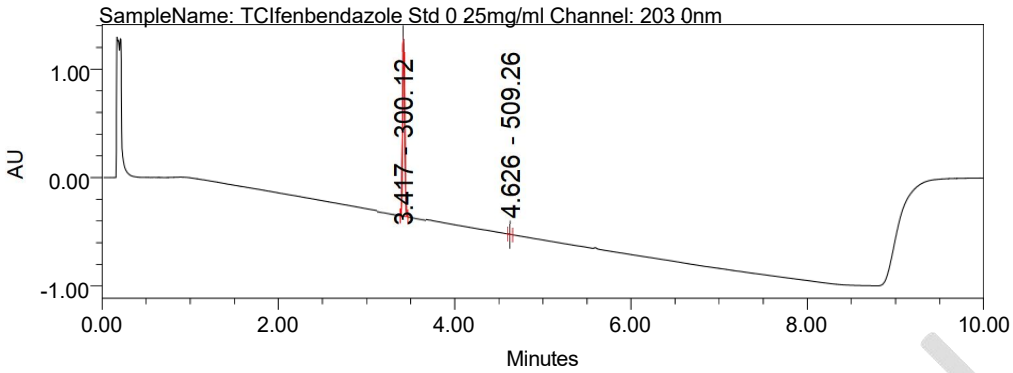
Representative Chromatograms:

Blank (DMSO:Methanol (2.5:97.5))

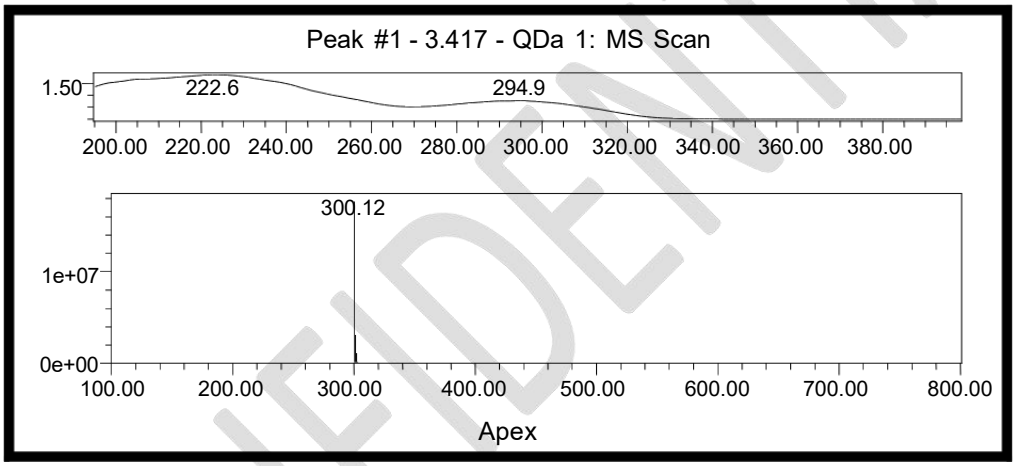


CONFIDENTIAL

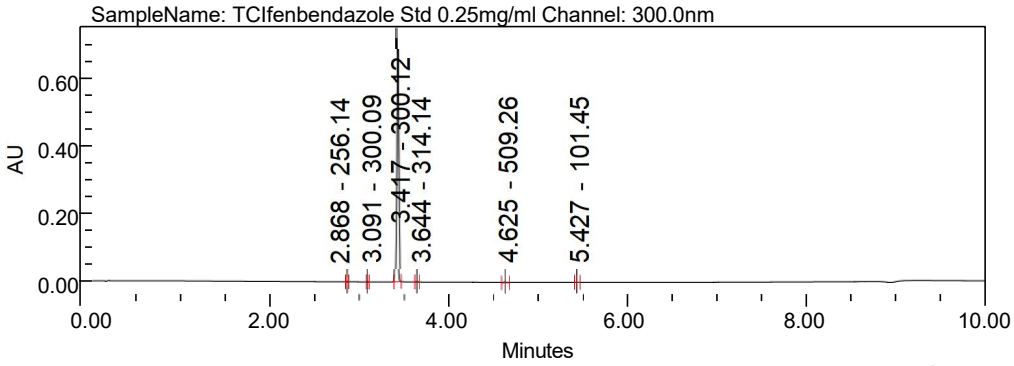
Standard TCI fenbendazole 0.250mg/ml in DMSO:Methanol (2.5:97.5) (free soluble)



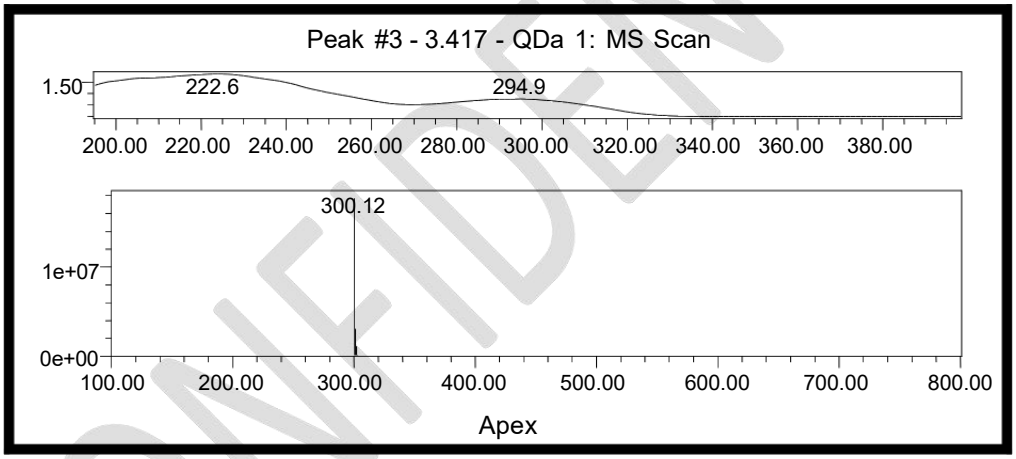
	Retention Time	Area	% Area	Base Peak
1	3.417	2779344	99.86	300.12
2	4.626	3987	0.14	509.26



CONFIDENTIAL

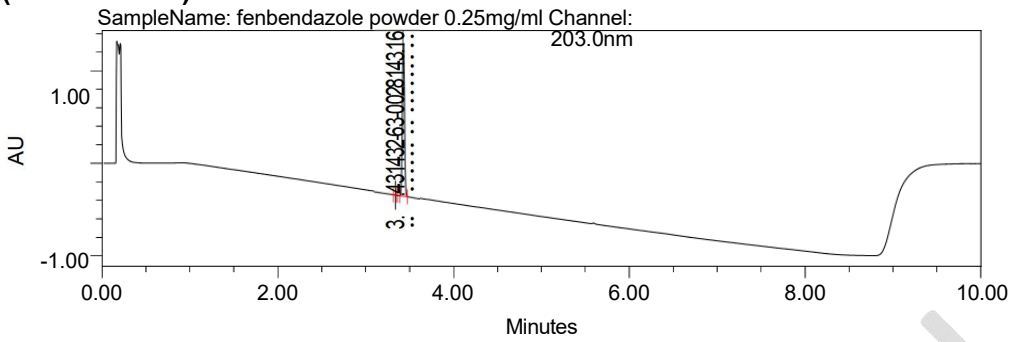


	Retention Time	Area	% Area	Base Peak
1	2.868	176	0.02	256.14
2	3.091	182	0.02	300.09
3	3.417	1071041	99.71	300.12
4	3.644	686	0.06	314.14
5	4.625	1762	0.16	509.26
6	5.427	337	0.03	101.45

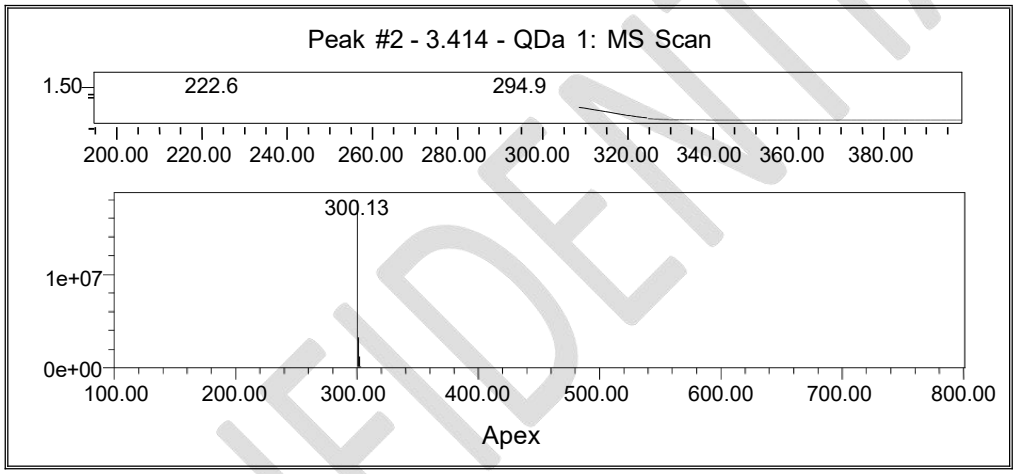


CONFIDENTIAL

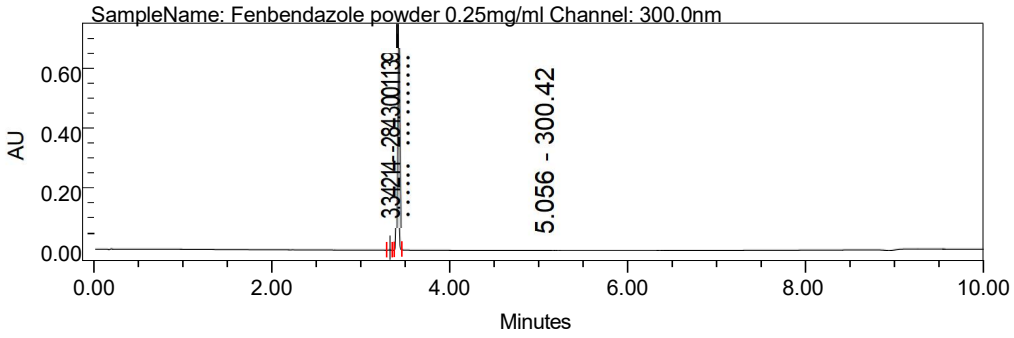
Anthony/Fenbendazole Lab Sample 0.250mg/mL in DMSO:Methanol (2.5:97.5) (Free soluble)



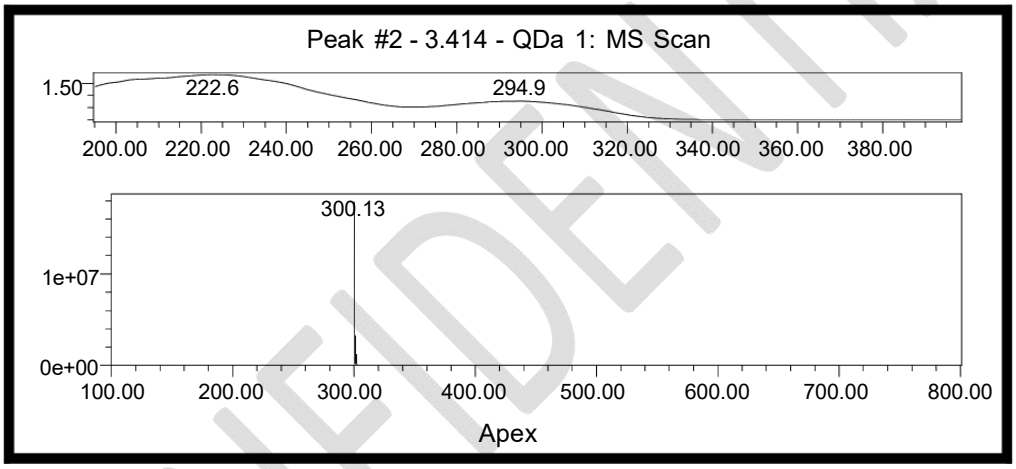
	Retention Time	Area	% Area	Base Peak
1	3.326	2895	0.1	284.16
2	3.414	2803859	99.9	300.13



CONFIDENTIAL



	Retention Time	Area	% Area	Base Peak	Points Across Peak
1	3.324	1133	0.11	284.19	38
2	3.414	1077692	99.88	300.13	51
3	5.056	188	0.02	300.42	23



CONFIDENTIAL