



# SPECTRIX

ANALYTICAL SERVICES

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

Date: 22AUG2024

Analyst: C. W./Jianming Tao

Submitter: [REDACTED]

Company: [REDACTED]

Sample Identification:

One off white powder sample. Received on 19AUG2024

Report Prepared By: Jianming Tao

Report Summary:

Sample ID:	HPLC Purity, % at 203nm	HPLC Purity, % at 300nm	Identity Confirmation: sample contains Fenbendazole (CAS# 43210-67-9)	Average Capsule Content Weight, mg	Fenbendazole per Capsule, mg
SS SPL	100	99.9	Yes	199.4	199

\*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

Wavelength: 203 and 300nm

Mass Spectrometry (ESI +) on Waters QDa Detector:

M + H = 300 Da