SHIMADZU
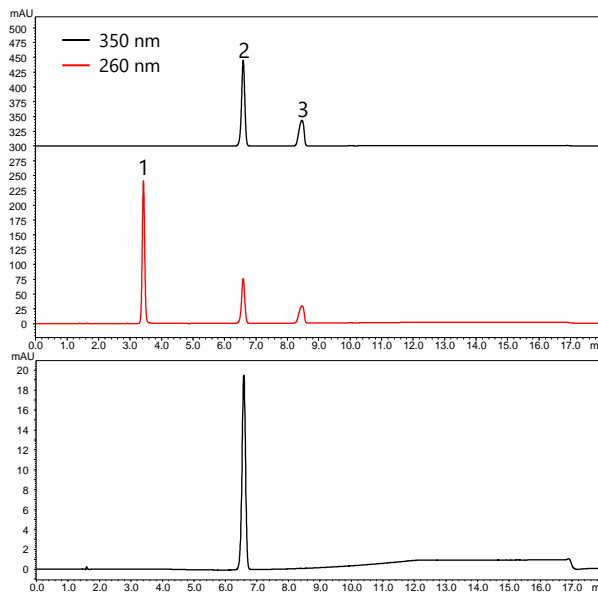## Excellence in Science

CoreFocus
Report
No.149

| LC | Reversed-phase | Shim-pack Series |

Shim-pack™ GIST C18

Analysis of Meloxicam in accordance with the United States Pharmacopoeia

Keywords: Non-Steroidal Anti-Inflammatory Drug

1. Meloxicam Related Compound B
2. Meloxicam
3. Meloxicam Related Compound A

Chromatograms from the Impurity Analysis
Top: System Suitability Solution
Bottom: Standard Solution

System	:	Nexera™ XR
Column	:	Shim-pack GIST C18 (USP code:L1) (150 mmL. x 4.6 mmI.D., 5 μm), P/N : 227-30017-07
Mode	:	High pressure gradient
Mobile phase	:	A) SolutionA B) Methanol
Time program	:	40 %B (0 min) => 40 %B (2 min) => 70 %B (10 min) =>70 %B (15 min) => 40 %B (15.01 min) => 40 %B (18 min)
Flow rate	:	1 mL/min
Column temp.	:	45 ℃
Injection volume	:	5 μL
Detection	:	PDA detector (350 nm , 260 nm)

Source : Application News L550 (JP, ENG)
CoreFocus, Shim-pack and Nexera are trademarks of Shimadzu Corporation or its affiliated companies in Japan and/or other countries.

Shimadzu Corporation
www.shimadzu.com/an/