

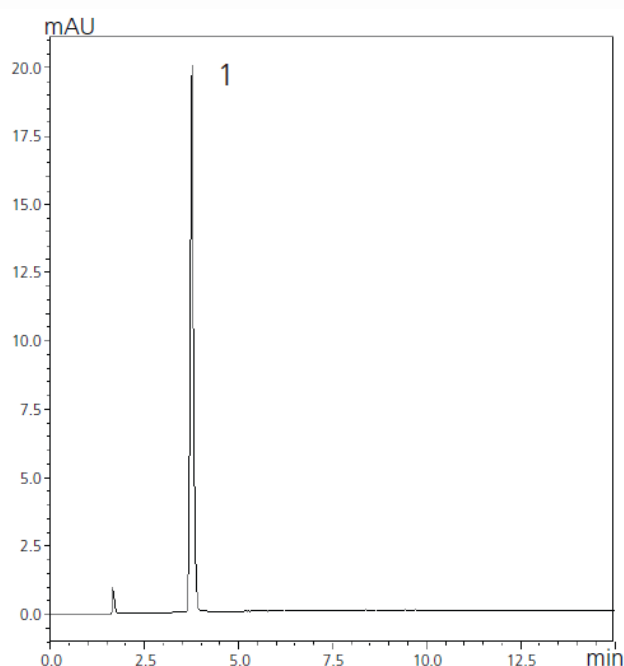
CoreFocus
Report
No.114

LC Reversed-phase Shim-pack Series

Shim-pack™ VP-ODS

Analysis of 1,2,3-Benzotriazole in Insulating Oil

Keywords: benzotriazole, insulating oil



1. 1,2,3-Benzotriazole

Pretreatment Procedure

Insulating Oil (Base oil) 100.00 g
1, 2, 3-Benzo triazole 10.0 mg

↓ Dissolved while heating at 90 °C and less

Oil was completely dissolved 10.00 g

← Methanol 10.0 mL

↓ Shake for 5 minutes (250 rounds/min)

↓ 10 minutes to stand
The upper layer of methanol

↓ Diluting the sample solution

System	: Prominence™-i
Column	: Shim-pack VP-ODS (150 mm L. × 4.6 mm I.D., 5 μm), P/N : 228-34937-91
Mobile phase	: Water/Methanol = 6/4 (v/v)
Flow rate	: 1.0 mL/min
Column temp.	: 40 °C
Injection volume	: 5 μL
Detection	: UV 270 nm

Source : Application News L511 ([JP_ENG](#))

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