

CoreFocus
Report
No.143

LC

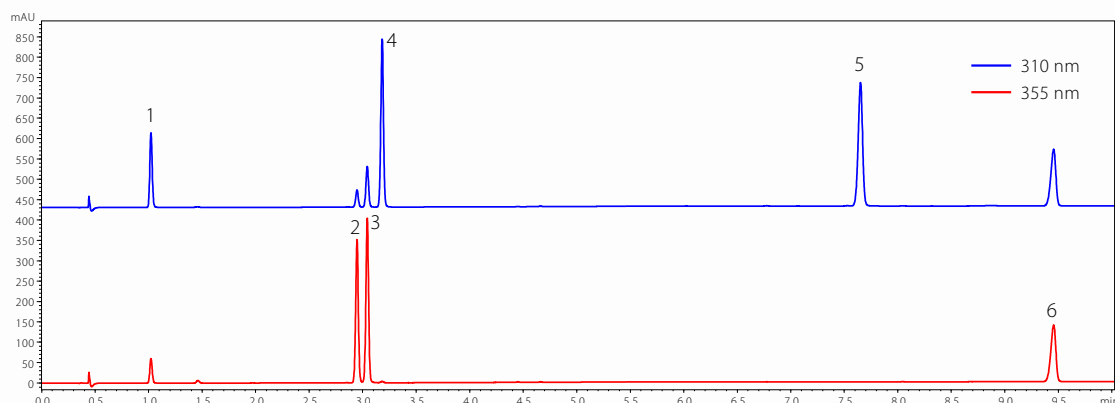
Reversed-phase

Shim-pack™ Series

Shim-pack Velox™ C18

Qualitative Analysis of UV-Absorbents in Cosmetics

Keywords: cosmetics



1. 2-hydroxy-4-methoxybenzophenone
2. 4-tert-butyl-4'-methoxydibenzoylmethane
3. 2-ethylhexyl-4-methoxycinnamate
4. 2-[4-(diethylamino)-2-hydroxybenzoyl]benzoic acid hexyl ester
5. 2,4,6-tris[4-(2-ethylhexyloxycarbonyl)-anilino]-1,3,5-triazine
6. bis-ethylhexyloxyphenol methoxyphenyl triazine
(100 mg/L each)

Column	: Shim-pack Velox C18 (100 mm L. × 3.0 mm I.D., 2.7 μm), P/N : 227-32010-03
Mode	: High pressure gradient
Mobile phase	: A) 0.085% Phosphoric acid in water : B) Acetonitrile
Time program	: 60%B (0 min) → 60%B (0.5 min) → 90%B (4 min) → 100%B (10 min) → 60%B (10.01 min) → 60%B (15 min)
Flow rate	: 1 mL/min
Column temp.	: 60 °C
Injection volume	: 1 μL
Detection	: SPD-M40 (190-800 nm)

Source : Application News L546 ([JP](#), [ENG](#))

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Related Products

Some products may be updated to newer models.



> Shim-pack Velox
C18
HPLC Column

Related Solutions

Hydrocarbon
> Processing Industry
(Petrochemical, Ch

> 石油・石油系化学物
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> Other Inquiry