

Detection of Hair Dye Components (III)

Application #AN6680

Conditions

Columns:	ACE Excel 5 C18-Amide
Dimensions:	250 x 4.6 mm
Part Numbers:	EXL-1212-2546U
Buffer:	Phosphoric acid solution - 10 mL H ₃ PO ₄ + 90 mL H ₂ O Phosphate buffer - 1.8 g Na ₂ HPO ₄ ·12H ₂ O + 2.8 g KH ₂ PO ₄ + 1 g NaSO ₃ (CH ₂) ₆ CH ₃ , dilute to 1 L with H ₂ O Final buffer solution - Add phosphoric acid solution to phosphate buffer and adjust to pH 6
Mobile Phase:	MeCN/buffer solution (40:60 v/v)
Flow Rate:	1.0 mL/min
Injection:	5 µL
Temperature:	25 °C
Detection:	UV, 280 nm
Method:	Cosmetics Safety Specification, 2015

1. N,N-Diethyltoluene-2,5-diamine HCl
2. Phenylmethyl pyrazolone
3. 6-Hydroxyindole
4. 4-Chlororesorcinol
5. 2,7-Naphthalenediol
6. N-Phenyl-*p*-phenylenediamine
7. 1,5-Naphthalenediol
8. 1-Naphthol

