



## p-Phenylenediamine Analysis in Raw Materials for Hair Dyes

### 1. Analytical Condition

#### YL9100 HPLC

Sample : p-Phenylenediamine  
Mobile Phase : Gradient program  
(A: 20mM Na<sub>2</sub>HPO<sub>4</sub>+10mM CH<sub>3</sub>COONH<sub>4</sub>, B: ACN)  
Flow rate : 1.2 mL/min  
Column : Capcellpak MG C18 ( 4.6 \* 250 mm, 5 μm )  
Detector : UV/Vis, 254 nm  
Column Temp. : 35 °C  
Injection volumn: 10 μL

<Gradient Program>

Time(min)	A(%)	B(%)
Initial	100	0
5	100	0
20	0	100
35	0	100
35.1	100	0
45	100	0

### 2. Chromatogram

