

### Chemical Information:

Name: HC Yellow 4  
CAS No.: 59820-43-8  
Tox21\_ID No.: Tox21\_201014  
NTP\_CID No.: 843

Date of Analysis: 18 November 2009  
Supplier: NTP-MRI Repository  
Lot No.: 3-074  
MW: 242.23 g/mol

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
HC Yellow 4	14.7	100

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

### LC/MS Instrument Parameters:

Instrument / Ionization	Micromass Quattro II with Shimadzu HPLC / ESI+
Solvent	Methanol
Column	Grace HP C18-AQ, 5 µm, 250 mm x 2.1 mm ID
Injection Volume	20 µL
Mobile Phase	95/5 (A) and 5/95 (B) Water/acetonitrile with 2 mM ammonium formate, pH 3
Program / Flow Rate	100/0 A/B for 1 minute; 5/95 in 20 minutes, hold 1 minute / 0.2 mL/minute
Cone / Corona	25 V / 3.0 kV
Source Temperature	125°C
Probe Temperature	300°C
Scan Range	120 – 650 amu
Acquisition Software	MassLynx, v 4.0

