

### Chemical Information:

Name: 7-Methyladenine  
CAS No.: 935-69-3  
Tox21\_ID No.: Tox21\_202951  
NTP\_CID No.: 6576

Supplier: Sigma-Aldrich  
Lot No.: BCBD2620V  
MW: 149.15 g/mol

Dates of Analysis:

LC/UV: 31 March 2017

LC/MS: 24 January 2017

### Purity and Identity Results:

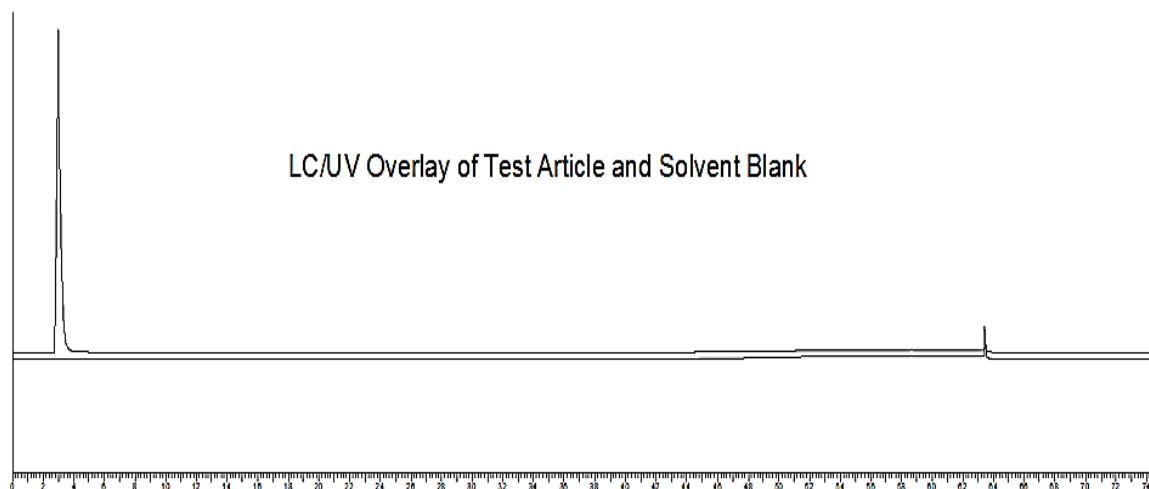
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
7-Methyladenine	2.97	99.99

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

### Instrument Parameters:

Instrument / Ionization	Shimadzu UPLC; Micromass Quattro II / ESI+
Solvent	Water
Column	Grace Alltima C18, 5 µm, 250 mm x 4.6 mm ID
Injection Volume / Detection	10 µL / 225 nm
Mobile Phase	Water (A) / Acetonitrile (B)
Program / Flow Rate	50/50 A/B for 40 minutes; 0/100 in 10 minutes, hold 10 minutes; 50/50 for 15 minutes / 1.0 mL/minute
Cone / Corona	50 V / 3.0 kV
Source Temperature	125°C
Probe Temperature	350°C
Scan Range	20 – 720 amu
Acquisition Software	LC/UV – LabSolutions, v 5.71.SP1 LC/MS – MassLynx 4.0

LC/UV Overlay of Test Article and Solvent Blank



2089\_WaterLC2-23  
20170124R008.6 (0.235) Cm (5:9)

Scan ES+  
3.73e6

Major Component Mass Spectrum

