

Chemical Information:

Name: o-Phenylenediamine.2HCl
CAS No.: 615-28-1 Supplier: Acros Organics
Tox21_ID No.: Tox21_200980 Lot No.: A0257890
NTP_CID No.: 4650 MW: 181.07 g/mol

Date of Analysis: 26 August 2015

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|--------------------------------------|----------------------|------------------------------------|
| Ethanol | 1.40 | Not applicable |
| o-Phenylenediamine.2HCl ^b | 18.05 | 97.70 |
| Unknown | 26.37 | 1.52 |

^a Peaks comprising $\geq 0.5\%$ of total area.

^b o-Phenylenediamine identified by GC/MS.

GC/MS Instrument Parameters:

| | |
|-------------------------|---|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Ethanol (~ 400 µg/mL) |
| Column | Restek Rtx-5MS, 30 m x 0.25 mm ID, 1-µm film thickness |
| Carrier Gas | Helium at 2 mL/min |
| Oven Program | 50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min |
| Source Temperature | 230°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 40 – 500 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 µL / Split (10:1) |
| Run Time | 59 minutes |
| Data Analysis Software | MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014 |

