

### Chemical Information:

Name: 2,4-Dimethoxy-4'-hydroxy benzophenone  
CAS No.: 41351-30-8 Supplier: Sigma Aldrich  
Tox21\_ID No.: Tox21\_200549 Lot No.: 10825JO  
NTP\_CID No.: 5098 MW: 258.27 g/mol

Date of Analysis: 17 July 2015

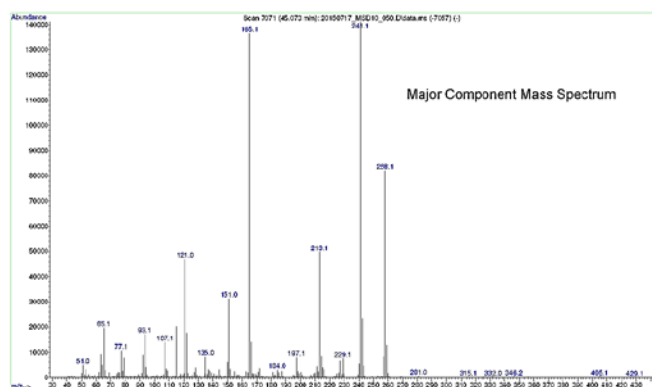
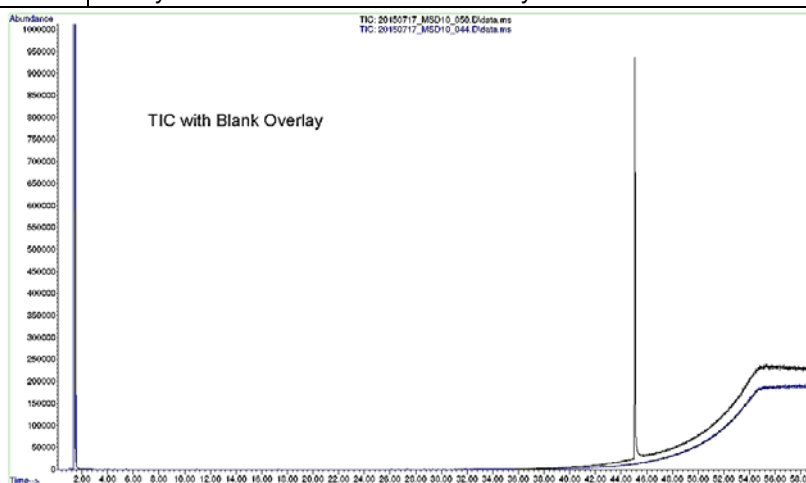
### Purity and Identity Results:

| Peak Identity                         | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|---------------------------------------|----------------------|------------------------------------|
| Ethanol                               | 1.50                 | Not applicable                     |
| 2,4-Dimethoxy-4'-hydroxy benzophenone | 45.07                | 100.00                             |

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

|                         |   |
|-------------------------|---|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact  |
| Solvent                 | Ethanol (~ 400 µg/mL)   |
| Column                  | Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-µm film thickness   |
| Carrier Gas             | Helium at 2 mL/min  |
| Oven Program            | 50°C, hold 2 min; ramp @ 5°C/min to 320°C, hold 5 min   |
| Source Temperature      | 230°C   |
| Auxiliary Temperature   | 250°C   |
| Scan Range              | 40 – 600 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 |



| m/z | Molecule/<br>Fragment |
|-----|-----------------------|
| 258 | Mass Ion              |
| 241 | C15H13O3              |
| 213 | C13H9O3               |
| 165 | C9H9O3                |
| 151 | C8H7O3                |
| 121 | C7H5O2                |

Reference not available.