ANALYTICAL REPORT

2-Bromoamphetamine (C9H12BrN)
2-bromo-α-methyl-benzeneethanamine

Remark – other NPS detected: micro trace of amphetamine

<table>
<thead>
<tr>
<th>Sample ID:</th>
<th>1207-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample description:</td>
<td>powder - white</td>
</tr>
<tr>
<td>Sample type:</td>
<td>RM-reference material</td>
</tr>
<tr>
<td>Comments¹:</td>
<td>Chiron AS Lot#15339RESPONSE -purchasing</td>
</tr>
<tr>
<td>Date of entry:</td>
<td>8/31/2015</td>
</tr>
</tbody>
</table>

Substance identified-structure² (base form)

![Structure of 2-bromo-α-methyl-benzeneethanamine](image)

Systematic name: 2-bromo-α-methyl-benzeneethanamine

Other names:

Formula (per base form) C9H12BrN

Mₘ (g/mol) 214,11

Salt form: HCl

StdInChIKey VGJPBDJNFFRO-UHFFFAOYSA-N

Compound Class Phenethylamines

Other NPS detected micro trace of amphetamine

Add.info (purity..) 98,60%

¹ This report has been produced with the financial support of the Prevention of and Fight against Crime Programme of the European Union (grant agreement number JUST/2013/ISEC/DRUGS/AG/6413). The contents of this report are the sole responsibility of the National Forensic Laboratory and can in no way be taken to reflect the views of the European Commission.

² Created by OPSIN free tool: [http://opsin.ch.cam.ac.uk/](http://opsin.ch.cam.ac.uk/) DOI: 10.1021/ci100384d
Supporting information

<table>
<thead>
<tr>
<th>Analytical technique</th>
<th>applied</th>
<th>remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>GC-MS (EI ionization)</td>
<td>+</td>
<td>NFL GC-RT (min): 3.16 BP(1): 44; BP(2): 89, BP(3): 90,</td>
</tr>
<tr>
<td>FTIR-ATR</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>FTIR (condensed phase) always</td>
<td></td>
<td>for the base form of cpd.</td>
</tr>
</tbody>
</table>

GC-MS (Agilent): GC-method is RT locked to tetracosane (RT=9.53 min). Injection volume 1 ml and split mode (1:50) for GC-MS instruments and 1:5 for GC-MS-FTIR (condensed phase). Injector temperature: 280 °C. Column: HP1-MS (100% dimethylpolysiloxane), length 30 m, internal diameter 0.25 mm, film thickness 0.25 mm. Carrier gas: He: flow-rate 1.2 ml/min. GC oven program: 170 °C for 1 min, followed by heating up to 293 °C at a rate of 18 °C/min, hold for 6.1 min, than heating at 50 °C/min up to 325 °C and finally 2.8 min isothermal. MSD source EI = 70 eV. GC-MS transfer line T= 235 °C, source and quadropole temperatures 280 °C and 180 °C. m/z scan range: from 50 (40) to 550 amu.
FTIR-ATR (Perkin Elmer): scan range 4000-400 cm⁻¹; resolution 4 cm⁻¹
FTIR (Spectra analyses-Danny): scan range 4000 to 7000, resolution 4 cm⁻¹

**Abundance**

Scan 120 (3.158 min): DL-2-bromoamphetamine_HCL_ID1207-15.D\data.ms

**MS-spectrum (EI)**
FTIR-ATR

Sample: 2-Bromoamphetamine HCl 1207-15

NOTE: This is condensed phase IR (per base form of substance) Instrument (Discover-GC)