

Certificate of Analysis



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SPECIMEN

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PRODUCT NAME Salicylic acid benzyl ester Structure **PART NUMBER** 00019038 **STANDARD TYPE** Analytical Standard (AS) OH LOT NUMBER 00019038-J01 **REPORT NUMBER** CDXA-RSS-2904-02 **SAMPLE NUMBER** CDXA-08-1259 DATE OF SAMPLE 06/12/2008 DATE OF RE-EVALUATION 05/09/2013 (1st); 07/30/2018 (2nd); 06/02/2022 (3rd) DATE OF REPORT 06/16/2022 2-Hydroxy-benzoic acid phenylmethyl ester; Benzyl-2-hydroxybenzoate; Benzyl CHEMICAL NAMES salicylate **CHEMICAL FORMULA** $C_{14}H_{12}O_{3}$ 228.24 MOLECULAR WEIGHT (MW) **CHEMICAL FAMILY** Phenolic acids **CAS NUMBER** [118-58-1]

| EC#(EINECS) | 204-262-9 |
|-------------|-----------|
| RTECS | VO1750000 |

ANALYTICAL RESULTS

| TEST | METHOD | SPECIFICATION | RESULT |
|---------------|--------------------|---------------|----------|
| GC | 0.700.10.2.METH140 | ≥ 75% | 99.7% |
| Mass Spectrum | 0.700.10.2.METH140 | Conforms | Conforms |
| Appearance | NA | NA | Oil |

STORAGE CONDITIONS

STORAGE +4 °C in a dry place.

EXPIRATION DATE 06/2027 under the above conditions.

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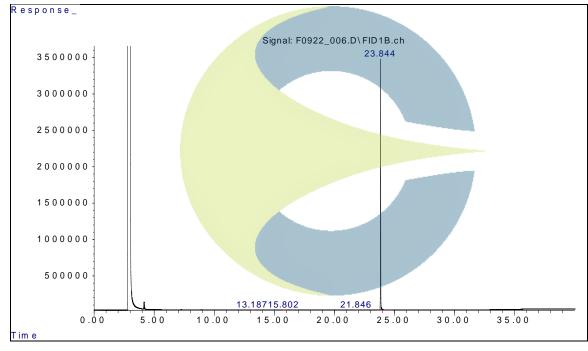
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ANALYTICAL CONDITIONS

| INSTRUMENT | AGILENT 7890B GC FID AND 5977B MSD | |
|----------------------|---|--|
| COLUMN | Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm | |
| CARRIER GAS | Helium | |
| COLUMN TEMP. | Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes. | |
| FLOW RATE | 2.0 mL/minute | |
| INJECTOR TEMP. | 300 °C | |
| INJECTOR SPLIT RATIO | 20:1 | |
| INJECTION VOL. | 1.0 μL | |
| INJECTION CONC. | 1.6 mg/mL in Methanol | |
| DETECTION | FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C) | |
| | | |

GC CHROMATOGRAM OF SALICYLIC ACID BENZYL ESTER (CDXA-08-1259)



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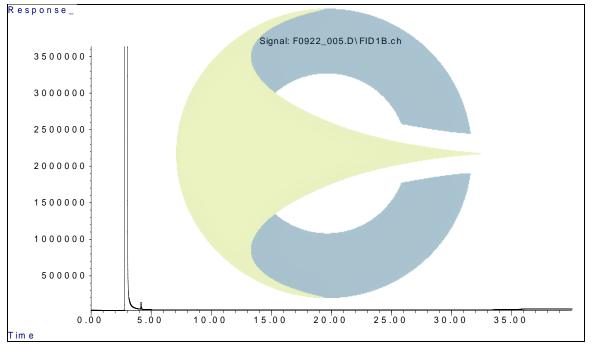


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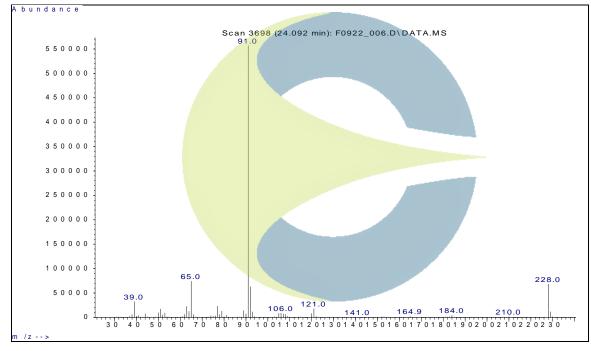
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MASS SPECTRUM OF SALICYLIC ACID BENZYL ESTER (CDXA-08-1259)



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REVISION HISTORY

| <u>Revision History</u> | Date of Revision | Document/Changes |
|-------------------------|------------------|--|
| 00 | 05/31/2013 | New report and passed first re-evaluation by GC. Updated expiration date. |
| 01 | 08/16/2018 | Passed re-evaluation by GCMS. Updated chromatograms, spectra, expiration date, Analytical Conditions and Results. Added TIC and TIC of blank. Removed Melting Point. |
| 02 | 06/16/2022 | Passed re-evaluation by GCMS. Updated chromatograms, spectra, expiration date, Analytical Conditions and Results. |

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