GT011 GL Sciences Inc.

## Analysis of Lavender Flavor Components with Simple Concentration - Using sorptive Media MonoTrap

MonoTrap is a novel hybrid adsorbent that combines a large surface area with the properties of silica gel, activated carbon and ODS. High collection efficiency is achieved due to the large surface area of the porous silica and the adsorption effect of activated carbon, this makes it possible to perform high-sensitivity analysis in a short time.

In this application, a simple concentration and analysis was made for the aroma components in lavender using MonoTrap carbon-containing (DCC18). By simply placing samples in the vials it was easy to concentrate, analyze and identify the characteristic flavor components,  $\beta$ -Linalool, etc. Due to the large surface area, considerable information was obtained with high sensitivity even with solvent extraction, even when sample loading was large and dilution was a concern.



## **MonoTrap Series**

Cat.No	Description	Configur	Size	Activated Carbon	Functional Group
1050-72101	MonoTrap DCC18	Disk	O.D.10mmx thick 1mm	Yes	C18
1050-72201	MonoTrap RCC18	Rod	O.D.2.9 mmxl.D.1mm xHight 5mm	Yes	C18
1050-71101	MonoTrap DSC18	Disk	O.D.10mmx thick 1mm	No	C18
1050-71201	MonoTrap RSC18	Rod	O.D.2.9 mmxI.D.1mm xHight 5mm	No	C18

## Introduction of the convenient MonoTrap start up-kit -

Description	Qty.
1 MT Holder	5
2 MT Stand	1
③ MT Extract Cup with Vial(20 ml)	5
4 Clean Pin Hole Septum with vial(40 ml)	5
5 200 μL glass insert (flat bottom)	40
6 MonoTrap DCC18	20
⑦ MonoTrap RCC18	20
8 MonoTrap DSC18	20
9 MonoTrap RSC18	20



DCC18

DSC18

RCC18

RSC18



Carrier Gas :He 120 kPa

**Injection** :Split 1: 10, 1 μL

**Detection** :MS Scan (*m*/*z*; 40-350)

InertCap Pure-WAX is the best highly inert wax column for flavor analysis. It is recommended that it is used in conjunction with MonoTrap.

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

GL Sciences, Inc. Japan 22-1 Nishishinjuku 6-Chome Shinjuku-ku, Tokyo, 163-1130, Japan Phone: +81-3-5323-6620 Fax: +81-3-5323-6621 Email: world@gls.co.jp Web: www.glsciences.com GL Sciences B.V. De Sleutel 9 5652 AS Eindhoven The Netherlands Phone: +31 (0)40 254 95 31 Email: <u>info@glsciences.eu</u> Web: www.glsciences.eu GL Sciences, Inc. USA 4733 Torrance Blvd. Suite 255 Torrance, CA 90503 Phone: 310-265-4424 Fax: 310-265-4425 Email: info@glsciencesinc.com Web: www.glsciencesinc.com

## **GL Sciences (ShangHai) Ltd.**

Tower B, Room 2003, Far East International Plaza, NO,317 Xianxia Road, Changning District. Shanghai, China P.C. 200032 Phone: +86 (0)21-6278-2272 Email: <u>contact@glsciences.com.cn</u> Web: www.glsciences.com.cn

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