

Plasticizers content in Filter Vials Compared to Syringe Filters

Testing by Takeda Pharmaceutical Company Limited® UPLC - ELSD

Introduction

Thomson Filter Vials are manufactured without the use of plasticizers or mold release agents, making them LC/MS clean. Testing with ELSD, PDA, and MS detection by Takeda Pharmaceutical showed no leaching from Thomson Standard Filter Vial with a 0.45µm, PTFE membrane compared to significant leaching from Millipore Millex-FH® Filter, 0.45M, hydrophobic PTFE, 4mm. Method: A. Water B. ACN 45-90% with .05% TFA Ballistic Gradient over 1.4 minutes using Waters® Acquity® UPLC Thomson Filter Vial (patented) Part # 35540-500 Filter Vial 0.45µm hydrophobic PTFE, w/ Pre-Slit Cap Millipore Syringe Filter Part #:SLFHR04NL Millex-FH® Filter, 0.45M, hydrophobic PTFE, 4mm, non-sterile

Method:

- A. Water
- B. ACN 45-90% with 0.05% TFA

Ballistic Gradient over 1.4 minutes using Waters® Acquity® UPLC

Thomson Standard Filter Vial

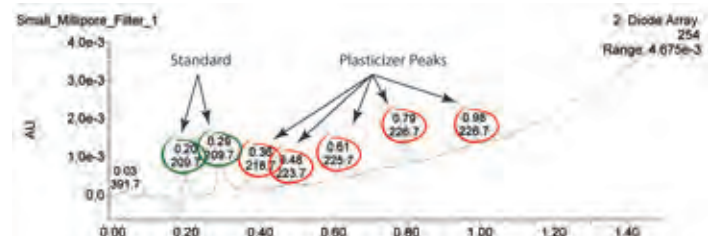
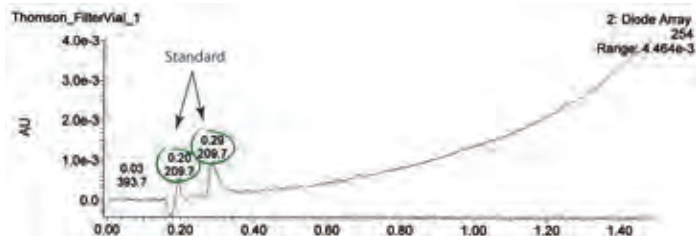
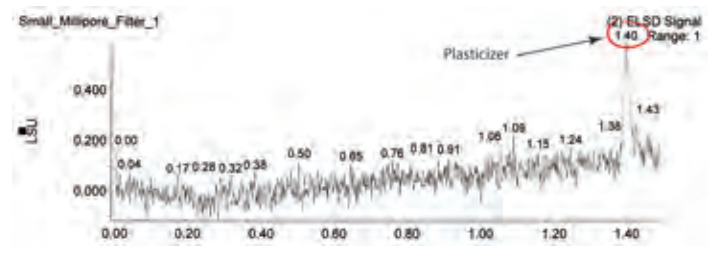
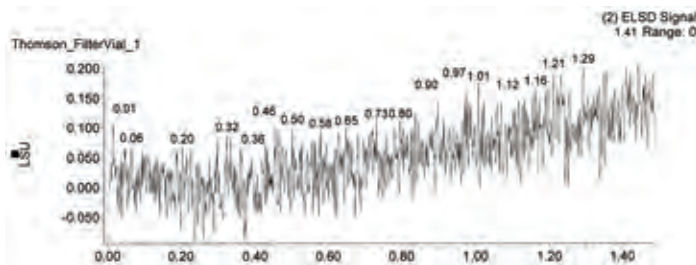
0.45µm hydrophobic PTFE, w/ Pre-Slit Cap
Part#: 35540-500

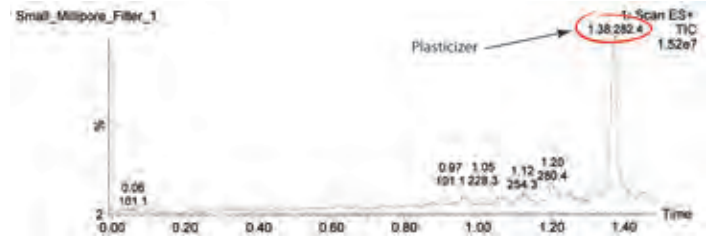
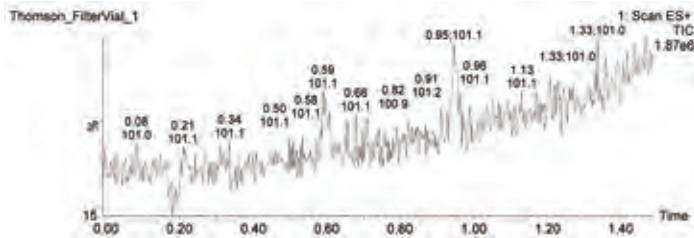
Millipore Syringe Filter

Millex-FH® Filter, 0.45µm, hydrophobic PTFE, 4mm, non-sterile.
Part #: SLFHR04NL



Plasticizers





Thomson Instrument Company is not affiliated with Waters®, Tekeda or their products.



**NO MORE
 Syringes**



**NO MORE
 Syringe Filters**



**NO MORE
 HPLC Vials & Caps**

