

## Certificate of Analysis

**Part number: N9305080**  
**VIAL MS 20 ML CRIMP CLR, 1000 PK**  
**Lot Number: FA6EDL170M1**

PerkinElmer consistently supply high quality vials, caps and septa to ensure that your analytical instruments continue to operate smoothly. We certify, by lot, the following parameters:

### Vial Inertness

The raw material used is of Type I Borosilicate glass of Schott Glass, with a low expansion coefficient, yields an inert glass surface and meets all USP, EP and JP requirements.

### Vial Dimensions

PerkinElmer certified glass vials are manufactured to tight dimensional tolerances ensuring dimensional reproducibility. Each batch is tested and must pass the parameters as listed below.

Parameter Measured	Result
Vial total height	Complies
Vial neck height	Complies
Thread	Complies
Wall thickness	Complies
Vial diameter	Complies
Vial bottom thickness	Complies

### Product Manufacturing Quality

PerkinElmer's certified vials are manufactured as per ISO 15378 (GMP) Protocols. This process involves forming at high temperatures (1200 °C – 1400 °C) followed by inline annealing at 560 °C. All certified vials are packed in ISO Class 8 Clean room which eliminates the risk of organic contamination.

## MS Certification

The vials have been analysed for organic residual compounds as per SOP ref. No. ARL/P/2020-023 and ARL/P/2020-093.

The results are tabulated as below.

Compounds Identified	CAS-No	Identification Category
None Detected	n/a	n/a

**Refer Annexure for LC-MS and GC-MS Chromatographs.**

**Conclusion:** As per data obtained from the analysis of this batch of vials, no specific organic compounds were observed in the extracted sample of glass vials in both dichloromethane and acetonitrile.

**Date: 22.12.2020**

**Q. C. Approved.**

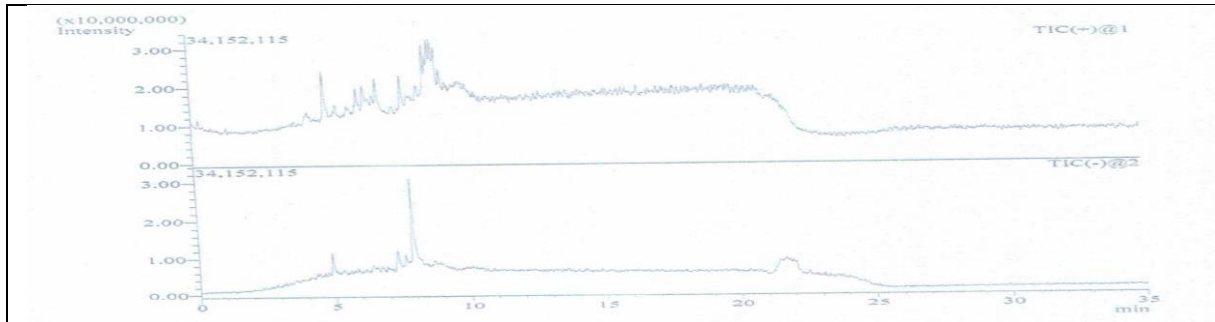
## ANNEXURE

LC-MS Chromatograph for Lot No. FA6EDL170M1

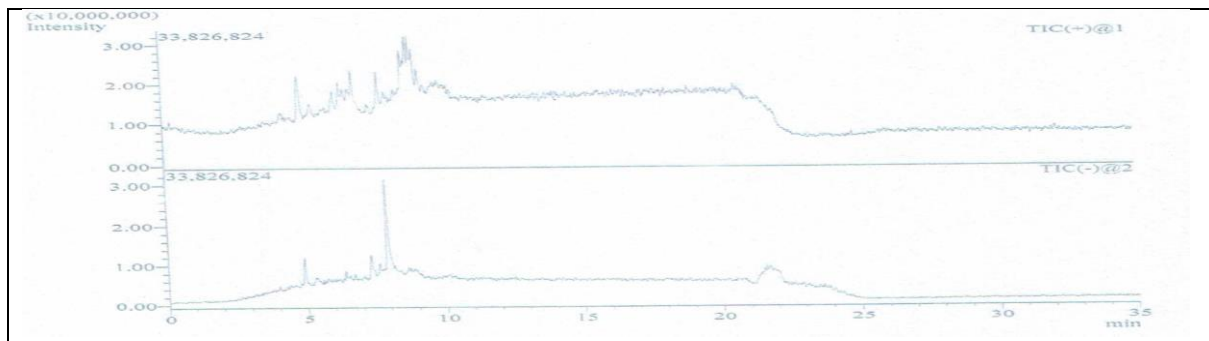
Part number: N9305080, VIAL MS 20ML CRIMP CLR, 1000PK.

### LC-MS Chromatographs:

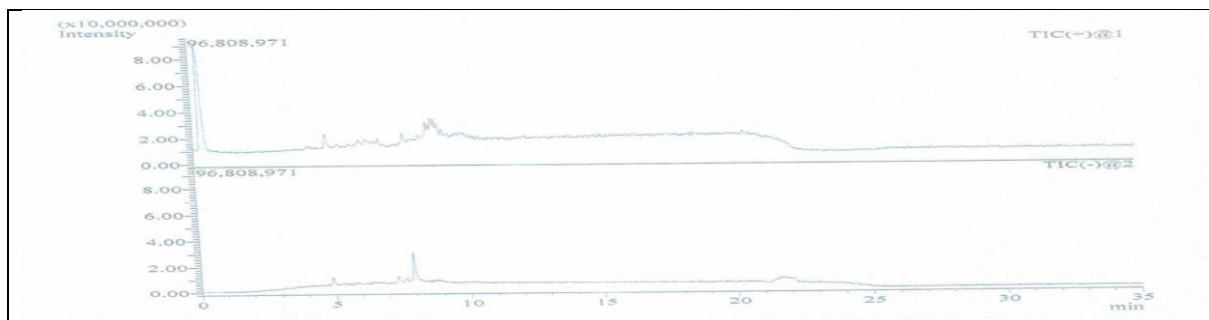
#### 1. Blank (DCM)



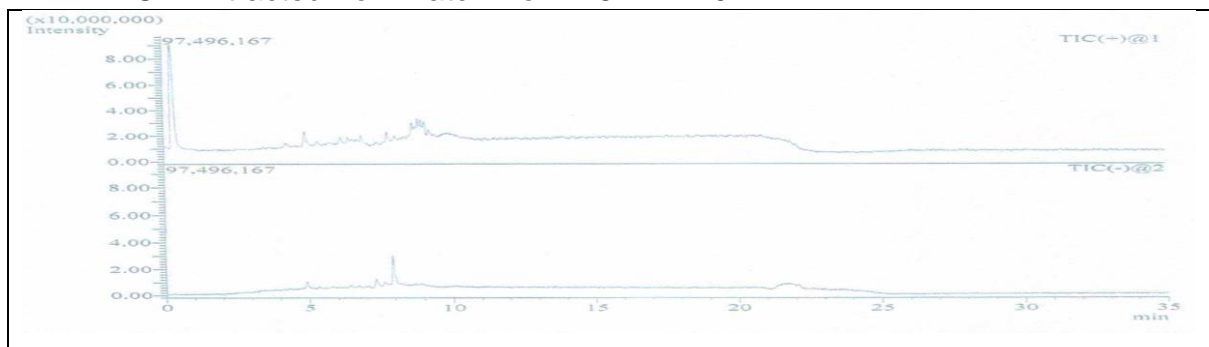
#### 2. DCM Extracted from Batch No. FA6EDL170M1.



#### 3. Blank (ACN)



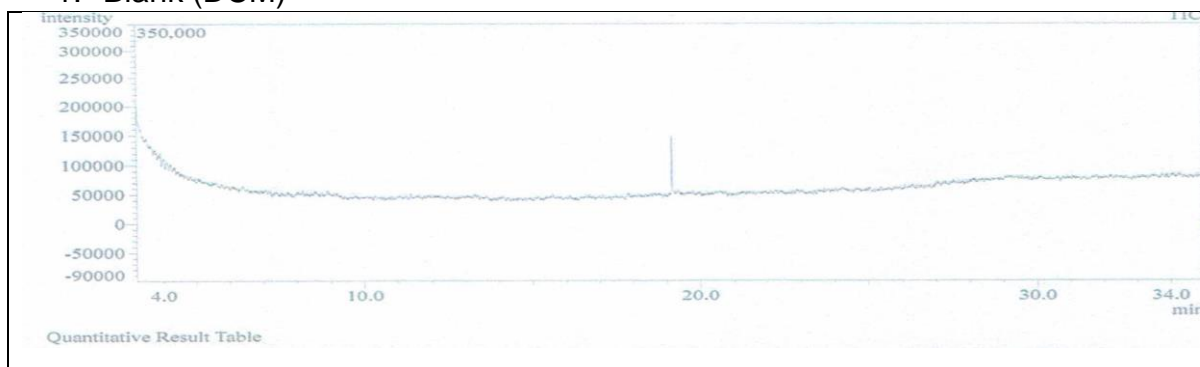
#### 4. ACN Extracted from Batch No. FA6EDL170M1.



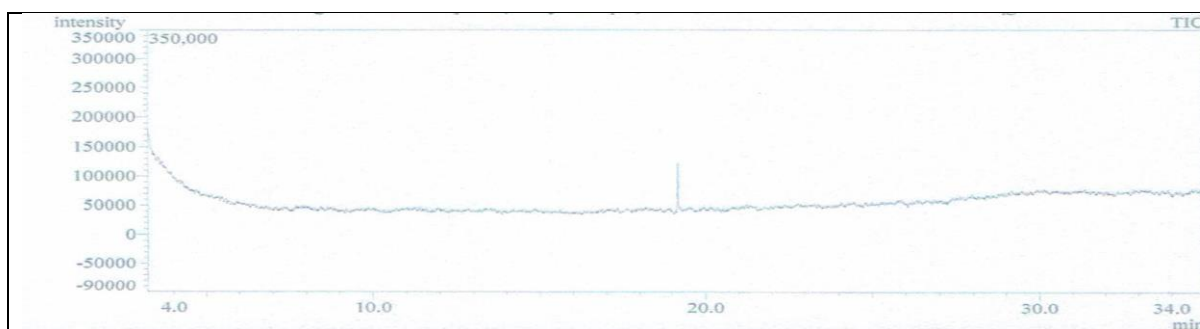
GC-MS Chromatograph for Batch No. FA6EDL170M1.  
Part number: N9305080, VIAL MS 20ML CRIMP CLR, 1000PK.

**GC-MS Chromatographs:**

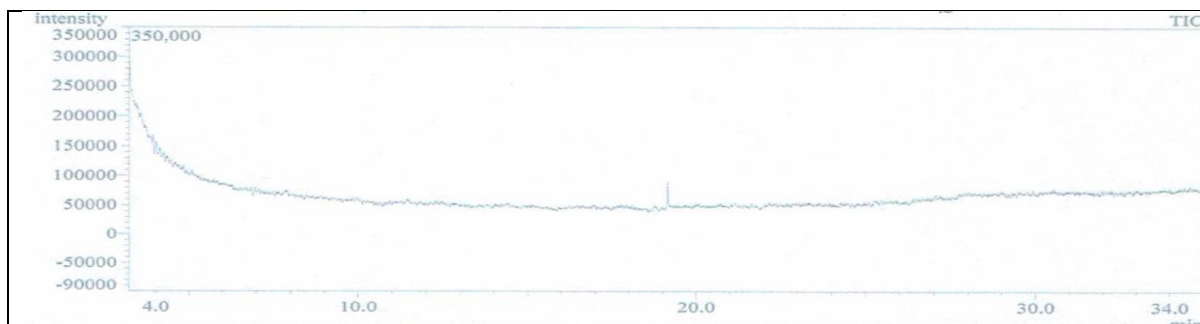
1. Blank (DCM)



2. DCM Extracted from Batch No. FA6EDL170M1.



3. Blank (ACN)



4. ACN Extracted from Batch No. FA6EDL170M1.

