



Agilent Technologies

Certificate of Analysis

MS Analyzed Vial Kit

Part Number: 5190-2280

Contents: Vials 5190-7041 and Caps 5182-0717

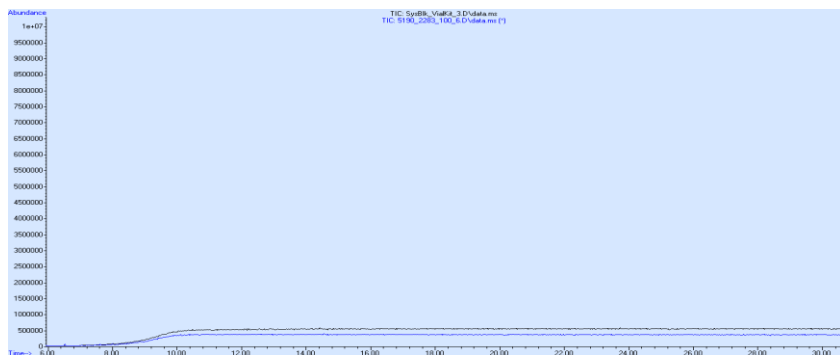
Agilent takes extensive measures to deliver the finest quality vials and closures to your lab to increase your confidence that results are accurate and reliable every time.

To provide this assurance, we certify the following:

Chemical Testing

- Chemical quality verified by Mass Spectroscopy.
- Testing conducted on vial as well as cap/septum.
- Testing is conducted using common lab scenarios with documented protocols. GC/MS testing uses an Agilent GC/single quadrupole MSD extracted with iso-octane. LC/MS testing uses an Agilent LC/single quadrupole MSD extracted with a mixture of acetonitrile and water.
- Some low level peaks may be observed due to system contributions.

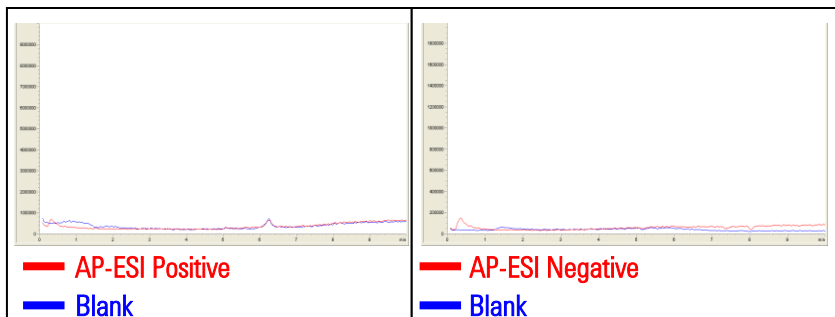
Lot Representative Signal Trace GC/MSD



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— MS Analyzed Vial

Lot Representative Signal Trace LC/MSD (AP-ESI)



Physical Testing:

- Manufacturing processes subject to quality audits.
- Package materials have been carefully designed, selected and tested to maintain the mechanical and chemical integrity of the product and for ease-of-use in the lab.
- All materials packaged in a clean environment.
- Agilent offers full warranted compatibility with Agilent auto samplers.

Measure	Test Method	Test Level
Critical physical dimensions	Optoelectronic scan	100%
Critical physical dimensions	Manual measurement	Statistical Sampling
Cosmetic appearance	Visual scan	100%

For vial:

- Manufactured from USP Hydrolytic Type 1 Class A Borosilicate Glass for chromatographic use.

For cap/septum:

- Septa lots are tested independently by GC/FID during the manufacturing process and by LC/MS and GC/MS with the vial lot as part of the certification process on the finished product.
- Septa are produced with the highest quality cast PTFE silicone.

This product has been certified to **Pass** all of Agilent's strict quality requirements and specifications.

Certified By Neil Noronha Title Quality Manager – Chemistries & Supplies Division

Signature *Neil Noronha*

Date 11/06/2014