

Clarus SQ 8 GC/MS with TurboMatrix Headspace Application Pack for the Determination of Low Levels of Benzene, Toluene, Ethylbenzene, Xylenes, and Styrene in Olive Oil



Levels of Benzene, Toluene, Ethylbenzene, Xylenes and Styrene (BTEXS) are a concern in the olive oil industry. These compounds, which can result from vehicle emissions, bonfires, or paint near orchards, can make their way into olive trees and be transferred into the olive oil during the manufacturing process. The presence of these compounds can affect the aroma and taste of the end product.

Various methods have been developed to detect and quantify these compounds down to levels of 5 ng/g (5 ppb w/w). This application pack contains a detailed application note that describes an easy to perform method using the Clarus® SQ8 GC/MS with a TurboMatrix™ Headspace sampler to achieve detection limits below 0.5 ng/g, in addition to the associated consumables needed to run the analysis.

BTEXS in Olive Oil Application Pack**Part No. N9300909**

Pack includes one of each of the following items (some items may ship separately):

Description	Part No.
Application note: BTEXS in Olive Oil	
Elite WAX Polyethylene Glycol Column Length: 30 m, Inner Diameter: 0.25 mm, Film Thickness: 0.50 µm, Temperature Limits: 20 to 250/260 °C	N9316404
1 mm Splitless Mode Quartz Liner for Programmed-Temperature Split/Splitless Inlet System Length: 86.2 mm, Inner Diameter: 1 mm, Outer Diameter: 4 mm	N6121006
Thermogreen Low Bleed Injector Port Septa – 6/Pkg.	N6101748
Graphite/Vespel Ferrules, 1/16 in x 0.4 mm – 10/Pkg.	09920104
20 mL PTFE/Silicone Convenience Kit: Contains 20 mm PTFE/Silicone Assembly (100/pack), 22 mL Crimp Clear Vials (100/pack) with Write-On Patch and 20 mm Caps (100/pack)	N9303992
Marathon Filament for GC/MS	N6470012
Ergonomic Manual 20 mm Hand Crimper	N6621037
<i>All contents can be ordered individually.</i>	

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For a complete listing of consumables, please visit www.perkinelmer.com/gcsupplies

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