



**Mobile Phase:**

40% A: DI Water / 0.1% Formic Acid

60% B: Acetonitrile / 0.1% Formic Acid

**Injection vol.:** 1 µL**Flow rate:** 0.5 mL / minute**Detection:** UV @ 220 nm

**Sample Preparation:** 500 ppm of Limonin Standard in 20:40:40 DI Water with 0.1% Formic Acid / Acetonitrile / Methanol was prepared. Orange Juice was filtered and injected as is (*data not shown*). Orange juice was spiked with 250 ppm Limonin, filtered, and injected.

**t<sub>o</sub>** : 0.9 minutes

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*Note: Limonin is a bitter compound which may negatively affect juice quality. The compound is found in the seeds and membrane tissue of the fruit. It is very important for groves to determine the level of Limonin in juice so the correct recovery settings for the juice production can be set. The level of Limonin can change dramatically from season to season. It also depends on the fruit size. The analysis of Limonin is crucial in production of high quality non bitter fruit juices.*

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**Attachment No 280 Limonin Repeatability in HPLC Analyses pdf 0.2 Mb** [Download File](#)

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