

**Summary of the Analysis of
Five Pawns Vapor Liquid
For
Diacetyl and Acetylpropionyl**


SPONSOR

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SUMMARY REPORT OF FIVE PAWNS SIGNATURE VAPOR LIQUID ANALYSIS

One flavor of Five Pawns Vapor Liquid from the Seasonal Flavor analyzed for diketones 2,3 butanedione (Diacetyl) and 2,3 pentanedione (Acetylpropionyl). The listed results are a summary provided to Five Pawns by Newport Scientific. The testing performed was GC/FID.

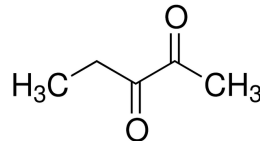


Figure 1. 2,3-Pentanedione (Acetylpropionyl)

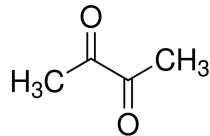


Figure 2. 2,3-Butanedione (Diacetyl)

Table 1. Signature Vapor Liquid Samples

Sample ID	Sample Description	[Diacetyl]* ppm	[Acetylpropionyl]* ppm
5PNa130R 01	Nona, Seasonal Flavor (3 mg/mL)	ND	ND
*LOD is Estimated at 2 ppm from SNR ration of 3			
Data from Study Number 5PNa130R (Sep 16, 2016)			