



# California Animal Health & Food Safety Laboratory System

105 W. Central Avenue  
San Bernardino, CA  
92408-2113

**Final  
Version 1**

*This report supersedes all  
previous reports for this case*

**CAHFS Case #:** S1009571  
**Referral #:** Chicken livers  
**Date Collected:** 11/22/2010  
**Date Received:** 11/23/2010  
**Case Coordinator:** F.A. Uzal, DVM,  
MSc, PhD, Dipl ACVP  
**Electronically Signed and  
Authorized By:** Uzal, Francisco A. on  
12/3/2010 11:40:03AM

**Email To:**  
PALMER, SHARON  
[sharonannpalmer@aol.com](mailto:sharonannpalmer@aol.com)

**Collection Site:**  
PALMER, SHARON  
6780 WHEELER CANYON RD  
SANTA PAULA, CA

**Specimens Received:** 2 Liver Tissue;

**Comments:** Fed Ex

### Case Contacts

Owner	PALMER, SHARON	805-421-3301	6780 WHEELER CANYON RD HEALTHY FAMILY FARMS SANTA PAULA, CA
Submitter	AVERY, LAURA	310-458-8712 X6	1901 MAIN STREET, SUITE F SANTA MONICA, CA 90405

### Specimen Details

ID	ID Type	Taxonomy	Gender	Age
	CAHFS Internal ID	Chicken		

### Laboratory Findings/Diagnosis

Liver from chickens from Farmers Market and from slaughter facility:

1-Heavy metals within normal range, 2/2

### Case Summary

12/3/10: Heavy metals were within normal range in both livers. This concludes testing in this case.

### Clinical History

Chickens are presumed healthy and are raised for meat to be sold at farmers markets, primarily in Los Angeles County.

Sample A was taken at Healthy Family Farm booth at the Sunday Santa Monica Farms Market on 11/13/10

Sample(s) B were taken at the slaughter facility in Sun Valley, LA county on Fri 11/19/10

Both samples were taken from chickens that are sold in the Santa Monica and other LA /Ventura county farmers markets.

We would like to know if the samples come from chickens in the same flock. Also owner claims organic production.

Could samples come from different suppliers?

### Toxicology

Reporting Limit (Rep. Limit): The lowest routinely quantified concentration of an analyte in a sample. The analyte may be detected, but not quantified, at concentrations below the reporting limit.

The detected liver mineral results are within acceptable or non-diagnostic ranges for this species.

**HEAVY METAL SCREEN**

<b>Animal/Source</b>	<b>Specimen</b>	<b>Specimen Type</b>	<b>Date Resulted</b>			
S1009571-01	A	Liver Tissue	02-Dec-2010			
<b>Analyte</b>		<b>Result</b>	<b>Units</b>	<b>Rep. Limit</b>	<b>Units</b>	<b>Ref. Range</b>
Lead		Not Detected	PPM	1	PPM	<1.0
Manganese		2.4	PPM	0.04	PPM	2.0-4.0
Iron		91	PPM	0.2	PPM	60-300
Mercury		Not Detected	PPM	1	PPM	<1.0
Arsenic		Not Detected	PPM	1	PPM	<1.0
Molybdenum		0.75	PPM	0.4	PPM	
Zinc		25	PPM	0.1	PPM	25-40
Copper		2.9	PPM	0.1	PPM	3.0-15.0
Cadmium		Not Detected	ppm	0.3	ppm	<5.0
S1009571-01	B	Liver Tissue	02-Dec-2010			
<b>Analyte</b>		<b>Result</b>	<b>Units</b>	<b>Rep. Limit</b>	<b>Units</b>	<b>Ref. Range</b>
Lead		Not Detected	PPM	1	PPM	<1.0
Manganese		2.2	PPM	0.04	PPM	2.0-4.0
Iron		110	PPM	0.2	PPM	60-300
Mercury		Not Detected	PPM	1	PPM	<1.0
Arsenic		Not Detected	PPM	1	PPM	<1.0
Molybdenum		0.62	PPM	0.4	PPM	
Zinc		22	PPM	0.1	PPM	25-40
Copper		2.5	PPM	0.1	PPM	3.0-15.0
Cadmium		Not Detected	ppm	0.3	ppm	<5.0