

# CERTIFICATE OF ANALYSIS



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**Report Issued To:** Sparky's  
14422 SHORESIDE WAY STE  
110-301  
WINTER GARDEN FL 34787-  
4938  
USA

**Sample Name:** Heavy Metals - 2025  
**Description:** Liquid; Clear yellow free-flowing liquid  
**Lot #:** HM-2025  
**AL #:** 25092RMW\_1  
**Analysis ID:** 258485  
**Received:** 04/02/25

## Determination of Heavy Metals Content by USP <233>

Element	Amount (µg/g)	USP <561> Limit (µg/g)	Result
Arsenic	<0.010	2.0	Pass
Cadmium	<0.010	0.5	Pass
Mercury	<0.010	1.0*	Pass
Lead	<0.020	5.0	Pass

### Chromatographic Conditions:

Method: ATM-815-0307 (Validated by USP <233> Elemental Impurities – Procedures)  
Preparation: Microwave Digestion  
Instrument: ICP-MS

### Sample Preparation:

Transferred 500 mg of sample to a glass test tube. Added 4 mL nitric acid and 1 mL hydrochloric acid and shook well. Let sit for 30 minutes. Digested sample using microwave digester. Let cool and transferred to a 50 mL Digtube and filled to volume with water. Mixed well and transferred to test tube for analysis.

### Report Summary:

Conclusion: This "Heavy Metals - 2025" test sample has <0.010 µg/g arsenic, <0.010 µg/g cadmium, <0.010 µg/g mercury, and <0.020 µg/g lead and meets the limits set forth in USP <561>.  
OOS Reference: N/A  
Notes: \*Methylmercury determination is not necessary when the content for total mercury is less than the 0.2ppm limit for methylmercury.  
MassHunter File: 09225 Heavy Metals  
Rev 1: Updated conclusion.

**Analysis Date:** 04/07/25  
**Rev 1:** 04/24/25 LB

**Analyzed By:** C Lopez

**Authorized By:** Latrece Brown,  
Lead Analytical Chemist

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