

CERTIFICATE OF ANALYSIS

Vivakor Inc.
2590 Holiday Road
Ste 100
Coralville, IA 52241



Reference number: N/A

Lot number: N/A

ELI accession number: E2455-0309VI

Test Date: 03-04-2009

Description of test item(s): Ultra Vial (white)

Assay system requested by customer: Endotoxin titer and interference screening using the Gel-Clot method.

LAL lot number: Y2212L

Sensitivity (λ) = 0.03 EU/mL

CSE lot number: EX81432

LRW lot number: 99732072

CONTROL STANDARD SERIES			TEST SAMPLE DILUTIONS		
			NPC		PPC
2 λ .06	+	+	Sample Undiluted		
			-	-	+
λ .03	+	+	1:2	-	+
			-	-	+
$\frac{1}{2}\lambda$.015	-	-	1:4	-	+
			-	-	+
$\frac{1}{4}\lambda$.0075	-	-	1:8	-	+
			-	-	+
NWC	-	-	1:16	-	+
			-	-	+

NOTE: THESE RESULTS ARE NOT TO BE USED FOR END PRODUCT RELEASE.

Summary: The error for the Gel-Clot assay is +/- one two-fold dilution. The test article in this assay indicates an Endotoxin Concentration of < 0.03 EU/ml.

signature
Study Director

date

03-05-2009

signature
Quality Assurance

date

03-05-2009