

## CERTIFICATE OF ANALYSIS

**Product:** SUOX ELISA Kit (Human)  
**SKU:** OKEH03454  
**Lot:** KH0705  
**Expiration Date:** 2024.04

### Performance Characteristics:

Intra-Assay CV	$\leq 7.9\%$	Passed
Inter-Assay CV	$\leq 11.1\%$	Passed
Limit of Detection (LOD)		$\leq 7.8$ pg/mL
Assay Range		15.6 - 1000 pg/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 1000 pg Lyophilized SUOX standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a set of diluted standards as indicated in the chart below:

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
1	Reconstitute SUOX Standard	N/A	N/A	1,000	1000
2	1000	300	300	600	500

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	500	300	300	600	250
4	250	300	300	600	125
5	125	300	300	600	62.5
6	62.5	300	300	600	31.2
7	31.2	300	300	600	15.6
8	N/A	0	300	300	0.0 (Blank)



### Typical Expected Data

Standard Curve and Calculations ONLY. Do not use below report for result calculations. A standard curve should be generated each time the test is performed.

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
1	1000	2.782
2	500	2.403
3	250	1.499
4	125	0.83
5	62.5	0.385
6	31.2	0.174

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	15.6	0.071

### Standard Curve Graph

