

## CERTIFICATE OF ANALYSIS

**Product:** Hydroxyproline ELISA Kit (General)  
**SKU:** OKEH02551  
**Lot:** KH0562  
**Expiration Date:** 2024.02

### Performance Characteristics:

Intra-Assay CV	<= 4.3%	Passed
Inter-Assay CV	<= 7.5%	Passed
Limit of Detection (LOD)		<= 31.25 nmol/L
Assay Range		62.5 - 4000 nmol/L

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 4000 nmol Lyophilized Hydroxyproline 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 (nmol/L)
1	Reconstitute Hydroxyproline Standard	N/A	N/A	1,000	4000
2	4000	300	300	600	2000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (nmol/L)
3	2000	300	300	600	1000
4	1000	300	300	600	500
5	500	300	300	600	250
6	250	300	300	600	125
7	125	300	300	600	62.5
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 (nmol/L)	Background Adjusted OD Value
1	4000	0.168
2	2000	0.311
3	1000	0.499
4	500	0.821
5	250	1.243
6	125	1.758

Standard Number	Concentration (nmol/L)	Background Adjusted OD Value
7	62.5	2.116

### Standard Curve Graph

