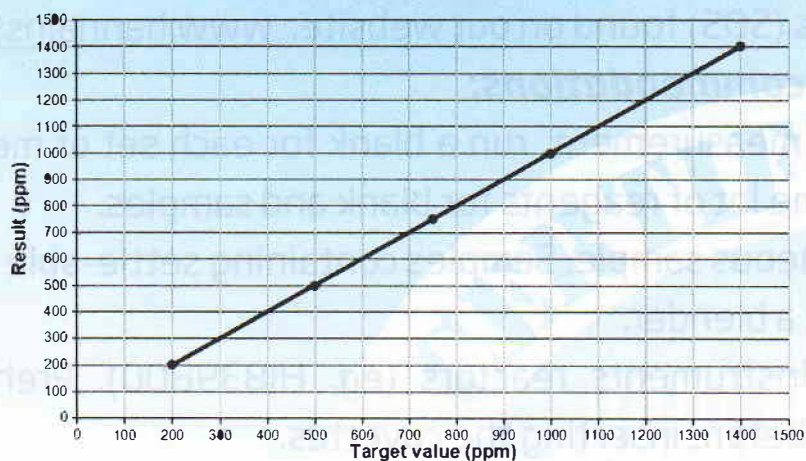


## Certificate of Analysis

Product name:	Chemical Oxygen Demand, COD MR
Product code:	HI94754B-25
Method:	Adaptation of the USEPA 410.4 approved method for the COD determination on surface waters and wastewaters
Range ppm (as O <sub>2</sub> ):	15 ÷ 1500
Lot number:	
Best use before:	
Date of analysis:	July 24, 2019
Reference meter:	Reference Spectrophotometer
Reference standard:	Potassium hydrogen phthalate (KHP)
Wavelength nm:	610
Cell mm:	16 Round

LOT RESULT	
Standard value ppm	Average Result ppm
200	200
500	497
750	750
1000	998
1400	1402

Calibration Function	Target Value	Lot Value	Passed
n	> 20	38	✓
Slope	> 0.97	1.0000	✓
Ordinate intersect ppm		-2.29	
Reagent Blank ppm	< 15	2.0	✓
Method variation coefficient %	< 4	0.4	✓
Confidence interval (95%) ppm	< 25	6.4	✓



**Reference Standard:**  
Potassium hydrogen phthalate (KHP) standard (see Standard Method for the examination of Water and Wastewater), prepared in a temperature conditioned environment at 20°C using Deionized Water for analytical use ISO 3696 / BS 3978, balances periodically checked with certified weights and Class A glassware.

**Confidence Interval:**  
The confidence interval represents the expanded uncertainty U with a coverage factor of 2.

**Calibration Function:**  
The calibration function is calculated according with ISO 8466-1 from repeated tests for each standard solutions.

File number: CERTHI94754B-25

QA manager: Coman Andrea

