

New Release

PACKTEST “BOD (Low Range)”



BOD (Biochemical Oxygen Demand)

It is the amount of dissolved oxygen consumed in the process of decomposition of organic matter in water by aerobic microorganisms, and is an important indicator of organic pollution in water quality.

PACKTEST BOD (Low Range)

This product allows to measure estimation of approx. value of BOD concentration on-site. It is useful for water quality management for industrial wastewater, septic tank effluent and more.

The correlation may vary depending on the type and properties of the sample water, so please make sure to check the correlation with official method prior to use.

Test Object water examination

- Wastewater Management
- Drinking Water Inspection
- Environmental Research
- Fish Farm (Aquarium)
- Investigation for Abnormality
- Educational Material

01 Factory Wastewater Management

Simple screening kit like never before.

Results in **4 minutes** measurement.
The advantage is that the measurement results are available immediately.

02 Applicable

Used to estimate the dilution factor before the official analysis method.

Enable to measure Low range(**0~100 mg/L**).

03 Administrative Response

Monitoring of legal environmental standards.

Measuring BOD usually requires a cumbersome task, including culturing at 20 ° C for 5 days.

Based on the request from the person in charge of wastewater management of the company and the inspector of the executing agency of the official analysis method, we have commercialized a kit that can immediately check the approximate value of BOD on the spot.

BOD is said to have a correlation between COD and its measurements. ¹⁾

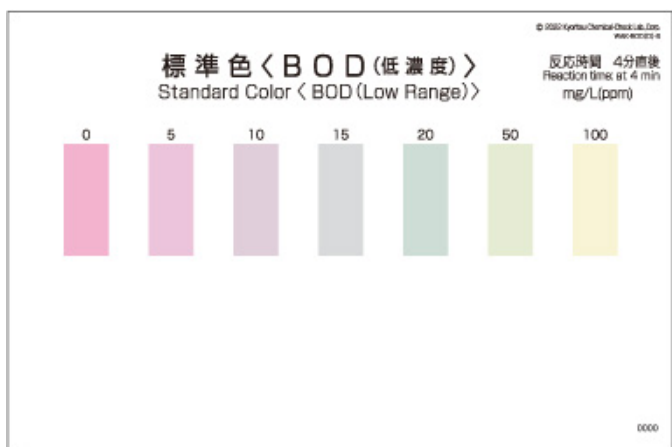
The measured value of COD is also a guide for the BOD value.

Explanation of Usage:

The detailed specifications and usage of WAK-BOD(D) are as follows.

Measuring Method	Estimation of BOD value by potassium permanganate with visual colorimetric method
Indicator	0, 5, 10, 15, 20, 50, 100 mg/L (more than 100 mg/L is colorless)
Measuring Time	at 4min.
Use for Seawater	Reaction progresses fast and tends to cause positive false reading. Please read half or one indicator lower than actual color development. When BOD concentration is higher than 20 mg/L, it will become colorless.
Package Size	165L x 110W x 65H mm
Package Weight	approx. 140 g
Product Code	49355-80 (model# WAK-BOD(D))

If the BOD value is exceeds 100mg/L, please use PACKTEST BOD (Model# WAK-BOD, Measurement range 0~500< mg/L).



The most simplified water analysis tool
that anyone can use at anywhere

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Related Product



PACKTEST “BOD”

Measuring Method	Oxidation with potassium permanganate in alkalinity and visual colorimetric method
Indicator	0, 20, 40, 60, 100, 200, 300, ≥500 mg/L (more than 500 mg/L is colorless)
Measuring Time	Sample Temp.10°C - 30°C : at 2 min.
Product Code	49355-78 (model# WAK-BOD)

References:

- 1) Nagai, *et al.* Ann.Rep.Kagoshima Pref.Inst. for E.R.and P.H.Vol.12 (2011)

<https://www.kanto.co.jp/english/products/analysis/packtest.html>



Kanto Chemical Co., Inc.