

now on sale PACKTEST "BOD"



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

This product allows to measure BOD concentration in different types of sample including river water and industrial wastewater. However, it hardly reacts to oil or solid form, so please be aware when measuring the sample like industrial wastewater that may contain them.

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

02 Applicable

Used to estimate the dilution factor before the official analysis method

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 are as follows.

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.
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 500mg/L, it will become colorless.
Package Size	165L x 110W x 65H mm
Package Weight	approx. 140 g
Product Code	49355-78 (model : WAK-BOD)



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

now on sale
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References:

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

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