

DATA SHEET: BIOCHEMICAL OXYGEN DEMAND (BOD 5 at 20°C)

pH value : _____

NaOH or H₂SO₄ volume : _____

SAMPLE	DO _i		DO _f		BOD ₅ (mg/L)
	mg/L	°C	mg/L	°C	

$$BOD_t = \frac{DO_i - DO_t}{P}$$

Where:

BOD _t	Biochemical oxygen demand, mg/L
DO _i	Initial DO of the diluted waste water sample about 15 min. after preparation, mg/L
DO _t	Final DO of the diluted wastewater sample after incubation for <i>t</i> days,mg/L
P	Dilution factor $P = \frac{V_s}{V_s + V_{DW}}$ V_s = Volume of sample V_{DW} = Volume of Dilution Water