

Chemical Supplies List

Wastewater Lab for Analysts

BOD	NH ₄ Cl	ammonium chloride		0.17 g
Phos	(NH ₄) ₆ Mo ₇ O ₂₄ •4H ₂ O	ammonium molybdate		8 g
Phos	(NH ₄) ₂ S ₂ O ₈	ammonium persulfate ¹		22.4 g
Phos	C ₅ H ₈ O ₆	ascorbic acid		7.04 g
Alk		bromocresal green indicator solution		25 mL
BOD	CaCl ₂	calcium chloride		2.75 g
BOD	FeCl ₃ •6H ₂ O	ferric chloride hexahydrate		0.025 g
BOD		glucose (dextrose)		0.15 g
BOD		glutamic acid		0.15 g
Alk	HCl	hydrochloric acid		33.2 mL
DO	MnSO ₄ •2H ₂ O	manganous sulfate dihydrate		160 g
FC	MgCl ₂ •6H ₂ O	magnesium chloride hexahydrate		8.11 g
BOD	MgSO ₄ •7H ₂ O	magnesium sulfate heptahydrate		2.25 g
Alk		phenolphthalein indicator solution	25 mL	75 mL
Phos		phenolphthalein indicator solution	50 mL	
Phos	C ₈ H ₄ K ₂ O ₁₂ •3H ₂ O	potassium antimonyl tartrate		0.138 g
DO	KH(IO ₃) ₂	potassium biiodate		1.625 g
DO	KI	potassium iodide	60 g	84 g
DO	KI	potassium iodide	24 g	
Alk	(KHP)	potassium hydrogen phthalate	1.4688 g	1.769 g
BOD	(KHP)	potassium hydrogen phthalate	0.3 g	
Phos	K ₂ S ₂ O ₈	potassium persulfate ¹		28 g
BOD	K ₂ HPO ₄	potassium phosphate dibasic ²		2.175 g
BOD	K ₂ HPO ₄ •3H ₂ O	potassium phosphate dibasic trihydrate ²		2.85 g

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BOD	KH_2PO_4	potassium phosphate monobasic	0.85 g	5.128 g
FC	KH_2PO_4	potassium phosphate monobasic	3.4 g	
Phos	KH_2PO_4	potassium phosphate monobasic	0.878 g	
DO		salicylic acid		0.8 g
DO	NaN_3	sodium azide		4 g
Alk	NaOH	sodium hydroxide	4 g	220.8 g
DO	NaOH	sodium hydroxide	0.8 g	
DO	NaOH	sodium hydroxide	200 g	
Phos	NaOH	sodium hydroxide	16 g	
BOD	Na_2HPO_4	sodium phosphate dibasic ³		1.77 g
BOD	$\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$	sodium phosphate dibasic heptahydrate ³		3.34 g
DO	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$	sodium thiosulfate pentahydrate	12.41 g	13.65 g
DO	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$	sodium thiosulfate pentahydrate	1.24 g	
DO		starch		8 g
DO	H_2SO_4	sulfuric acid	12 mL	216 mL
DO	H_2SO_4	sulfuric acid	56 mL	
Phos	H_2SO_4	sulfuric acid	120 mL	
Phos	H_2SO_4	sulfuric acid	28 mL	

Note: ^{1,2,3:} only need one chemical or the other with the same superscript