

SPECIFICATION OF CONCENTRATED PHOSPHATE (G4)

PETROCHEMICAL CONDITION MONITORING SAMPLE KITS

Chemical Analysis:			
Bone Phosphate Lime	BPL	64-66	Percent
Phosphorus (V)Oxide	P2O5	29.3-30.2	Percent
Calcium Oxide	CaO	48-50	Percent
Iron (III)Oxide	Fe2O3	0.10-0.20	Percent
Aluminum (III)Oxide	Al2O3	0.10-0.15	Percent
Magnesium Oxide	MgO	0.50-0.80	Percent
Silicon Dioxide	SiO2	7.5-9	Percent
Fluorine	F	2-4	Percent
Chlorine	Cl	800-1200	p.p.m
Carbon Dioxide	CO2	7-9	Percent
Losses of ignition	LOI	7-8	Percent
Humidity	H2O	5-7	Percent

Minor Ingredients:					
Cu	10-15	p.p.m	Zn	140-200	p.p.m
Cd	6-10	p.p.m	Hg	<0.1	p.p.m
As	<2	p.p.m	V	70-150	p.p.m
Pb	<2	p.p.m	Ni	10-15	p.p.m
U	40-70	p.p.m	Bi	0.01-0.05	p.p.m

P2O5 Solubility:		
P2O5 Solubility in Citric Acid 2	35-40	Percent
P2O5 Solubility in Formic Acid 2	55-65	Percent

Typical Screen Analysis:		
ASTM Mesh No.	Micron	Percent
+18	+1000 μ	4-6
+35	+500 μ	5-10
+230	+40 μ	70-80
-230	-40 μ	5-7



PHOSPHATE (G4)

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SPECIFICATION OF CONCENTRATED PHOSPHATE (G4)



SPECIFICATION OF CONCENTRATED PHOSPHATE (G4-A)

PETROCHEMICAL CONDITION MONITORING SAMPLE KITS

Chemical Analysis:			
Bone Phosphate Lime	BPL	64-65	Percent
Phosphorus (V)Oxide	P2O5	29.3-29.7	Percent
Calcium Oxide	CaO	48-50	Percent
Iron (III)Oxide	Fe2O3	0.10-0.20	Percent
Aluminum (III)Oxide	Al2O3	0.10-0.15	Percent
Magnesium Oxide	MgO	0.50-0.80	Percent
Silicon Dioxide	SiO2	7.5-9	Percent
Fluorine	F	2-4	Percent
Chlorine	Cl	800-1200	p.p.m
Carbon Dioxide	CO2	7-9	Percent
Losses of ignition	LOI	7-8	Percent
Humidity	H2O	5-7	Percent

Minor Ingredients:					
Cu	10-15	p.p.m	Zn	140-200	p.p.m
Cd	6-10	p.p.m	Hg	<0.1	p.p.m
As	<2	p.p.m	V	70-150	p.p.m
Pb	<2	p.p.m	Ni	10-15	p.p.m
U	40-70	p.p.m	Bi	0.01-0.05	p.p.m

P2O5 Solubility:		
P2O5 Solubility in Citric Acid 2	35-40	Percent
P2O5 Solubility in Formic Acid 2	55-65	Percent

Typical Screen Analysis:		
ASTM Mesh No.	Micron	Percent
+18	+1000 μ	4-6
+35	+500 μ	5-10
+230	+40 μ	70-80
-230	-40 μ	5-7

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SPECIFICATION OF CONCENTRATED PHOSPHATE (G4-A)



SPECIFICATION OF CONCENTRATED PHOSPHATE (G6)

PETROCHEMICAL
CONDITION MONITORING
SAMPLE KITS

Chemical Analysis:			
Bone Phosphate Lime	BPL	64-65	Percent
Phosphorus (V)Oxide	P2O5	29.3-29.7	Percent
Calcium Oxide	CaO	48-50	Percent
Iron (III)Oxide	Fe2O3	0.10-0.20	Percent
Aluminum (III)Oxide	Al2O3	0.10-0.15	Percent
Magnesium Oxide	MgO	0.50-0.80	Percent
Silicon Dioxide	SiO2	7.5-9	Percent
Fluorine	F	2-4	Percent
Chlorine	Cl	800-1200	p.p.m
Carbon Dioxide	CO2	7-9	Percent
Losses of ignition	LOI	7-8	Percent
Humidity	H2O	5-7	Percent

Minor Ingredients:					
Cu	10-15	p.p.m	Zn	140-200	p.p.m
Cd	6-10	p.p.m	Hg	<0.1	p.p.m
As	<2	p.p.m	V	70-150	p.p.m
Pb	<2	p.p.m	Ni	10-15	p.p.m
U	40-70	p.p.m	Bi	0.01-0.05	p.p.m

P2O5 Solubility:		
P2O5 Solubility in Citric Acid 2	35-40	Percent
P2O5 Solubility in Formic Acid 2	55-65	Percent

Typical Screen Analysis:		
ASTM Mesh No.	Micron	Percent
+18	+1000 μ	4-6
+35	+500 μ	5-10
+230	+40 μ	70-80
-230	-40 μ	5-7

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SPECIFICATION OF CONCENTRATED PHOSPHATE (G6)



SPECIFICATION OF CONCENTRATED PHOSPHATE (G7)

PETROCHEMICAL
CONDITION MONITORING
SAMPLE KITS

Chemical Analysis:			
Bone Phosphate Lime	BPL	62-64	Percent
Phosphorus (V)Oxide	P2O5	28.4-29.3	Percent
Calcium Oxide	CaO	48-50	Percent
Iron (III)Oxide	Fe2O3	0.10-0.20	Percent
Aluminum (III)Oxide	Al2O3	0.10-0.15	Percent
Magnesium Oxide	MgO	0.70-1.10	Percent
Silicon Dioxide	SiO2	7-9	Percent
Fluorine	F	2-4	Percent
Chlorine	Cl	800-1300	p.p.m
Carbon Dioxide	CO2	7-9	Percent
Losses of ignition	LOI	7-8	Percent
Humidity	H2O	4-6	Percent

Minor Ingredients:					
Cu	10-15	p.p.m	Zn	140-200	p.p.m
Cd	5-8	p.p.m	Hg	<0.1	p.p.m
As	<2	p.p.m	V	70-150	p.p.m
Pb	<2	p.p.m	Ni	10-15	p.p.m
U	40-70	p.p.m	Bi	0.01-0.05	p.p.m

P2O5 Solubility:		
P2O5 Solubility in Citric Acid 2	35-40	Percent
P2O5 Solubility in Formic Acid 2	55-65	Percent

Typical Screen Analysis:		
ASTM Mesh No.	Micron	Percent
+18	+1000 μ	3-5
+35	+500 μ	5-10
+230	+40 μ	70-80
-230	-40 μ	5-7



PHOSPHATE (G7)

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SPECIFICATION OF CONCENTRATED PHOSPHATE (G7)



SPECIFICATION OF CONCENTRATED PHOSPHATE (G9)

PETROCHEMICAL
CONDITION MONITORING
SAMPLE KITS

Chemical Analysis:			
Bone Phosphate Lime	BPL	63-64	Percent
Phosphorus (V)Oxide	P2O5	28.8-29.3	Percent
Calcium Oxide	CaO	48-50	Percent
Iron (III)Oxide	Fe2O3	0.10-0.20	Percent
Aluminum (III)Oxide	Al2O3	0.10-0.15	Percent
Magnesium Oxide	MgO	0.70-1.00	Percent
Silicon Dioxide	SiO2	7.5-9	Percent
Fluorine	F	2-4	Percent
Chlorine	Cl	800-1200	p.p.m
Carbon Dioxide	CO2	5-7	Percent
Losses of ignition	LOI	7-8	Percent
Humidity	H2O	2-4	Percent

Minor Ingredients:					
Cu	10-15	p.p.m	Zn	140-200	p.p.m
Cd	6-10	p.p.m	Hg	<0.1	p.p.m
As	<2	p.p.m	V	70-150	p.p.m
Pb	<2	p.p.m	Ni	10-15	p.p.m
U	40-70	p.p.m	Bi	0.01-0.05	p.p.m

P2O5 Solubility:		
P2O5 Solubility in Citric Acid 2	35-40	Percent
P2O5 Solubility in Formic Acid 2	55-65	Percent

Typical Screen Analysis:		
ASTM Mesh No.	Micron	Percent
+18	+1000 µ	5-8
+35	+500 µ	5-10
+230	+40 µ	70-80
-230	-40 µ	5-7



PHOSPHATE (G9)

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SPECIFICATION OF CONCENTRATED PHOSPHATE (G9)



SPECIFICATION OF CONCENTRATED PHOSPHATE (G11)

PETROCHEMICAL CONDITION MONITORING SAMPLE KITS

Chemical Analysis:			
Bone Phosphate Lime	BPL	63-64	Percent
Phosphorus (V)Oxide	P2O5	28.8-29.3	Percent
Calcium Oxide	CaO	48-50	Percent
Iron (III)Oxide	Fe2O3	0.10-0.20	Percent
Aluminum (III)Oxide	Al2O3	0.10-0.15	Percent
Magnesium Oxide	MgO	0.70-1.00	Percent
Silicon Dioxide	SiO2	7.5-9	Percent
Fluorine	F	2-4	Percent
Chlorine	Cl	800-1200	p.p.m
Carbon Dioxide	CO2	5-7	Percent
Losses of ignition	LOI	7-8	Percent
Humidity	H2O	2-4	Percent

Minor Ingredients:					
Cu	10-15	p.p.m	Zn	140-200	p.p.m
Cd	6-10	p.p.m	Hg	<0.1	p.p.m
As	<2	p.p.m	V	70-150	p.p.m
Pb	<2	p.p.m	Ni	10-15	p.p.m
U	40-70	p.p.m	Bi	0.01-0.05	p.p.m

P2O5 Solubility:		
P2O5 Solubility in Citric Acid 2	35-40	Percent
P2O5 Solubility in Formic Acid 2	55-65	Percent

Typical Screen Analysis:		
ASTM Mesh No.	Micron	Percent
+18	+1000 μ	5-8
+35	+500 μ	5-10
+230	+40 μ	70-80
-230	-40 μ	5-7



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SPECIFICATION OF CONCENTRATED PHOSPHATE (G11)

