



K02

Family: PHOSPHATE ROCK

1. CHEMICAL PROPERTIES

ELEMENT	CONTENT	CONTENT (MIN)	CONTENT (MAX)	ANALYSIS METHOD
P2O5	30%	29,7%	30,2%	Gravimetric method - NF ISO 6598
BPL	65,5%	65%	66%	Gravimetric method - NF ISO 6598
CO2	7%	5,5%	8%	Calcimeter (Bernard type)
SO3	1,7%	1,2%	2,2%	ICP Method
SiO2 TOTAL	3,5%	2%	4%	Gravimetric Method
CaO	51%	50%	52%	Volumetry (EGTA)
MgO	0,65%	0,3%	0,72%	ICP Method
Fe2O3	0,25%	0,2%	0,34%	ICP Method
Al2O3	0,5%	0,4%	0,8%	ICP Method
Na2O	0,85%	-	0,9%	ICP Method
K2O	0,08%	-	0,1%	ICP Method
F	3,7%	-	3,9%	Specific electrode
Cl (ppm)	250	200	300	Potentiometry
Moisture (H2O)	2,5%	-	3%	Gravimetric method NF ISO 12048
C,Org (ppm)	1800	1000	2300	Volumetry





2. PHYSICAL PROPERTIES

PARTICLE SIZE DISTRIBUTION	PROFILE	CONTENT (MIN)	CONTENT (MAX)
> 4800 (µm)	0,5%	-	1%
> 2000 (µm)	4%	2%	6%
> 800 (µm)	10%	8%	12%
> 500 (µm)	15%	12%	18%
> 315 (µm)	25%	22%	28%
> 160 (µm)	60%	55%	65%
> 80 (µm)	92%	90%	94%
> 40 (µm)	98%	97%	99%

