



Khuzestan Cement Plant
Cement Type II
 May 2009

Sample No: PB-0773						
A-Chemical Specification & Composition According Bogue						
Sio2	21.00%	Min 20	C3S		53.55	
Al2o3	5.11%	Max 6	C2S		19.81	
Fe2o3	3.91%		C3A		6.93	Max 8
Cao	63.66%		C4AF		11.90	
Mgo	2.48%	Max 5	C3A+C3S			
So3	2.12%	Max 3	2C3A+C4AF			
K2o	0.62%		C4AF+C2F			
Na2o	0.23%		Insol.Res		0.38	Max 0.75
L.O.I	0.95%	Max 3	Caso4			
			%Free Cao			
Total	100.08%		Total.Allcali		0.64	
B-Physical Specification						
Blain (sq.cm/gr)	2890.00	Min 2800	Compressive Strength (Kg/sq.cm)	1 day		
%R.S #70	0.00			3 days	177	Min 100
%R.S #170	4.00			7 days	255	Min 175
Initial Set (min)	130.00	Min 45		28 days	383	Min 315
Final Set (min)	185.00	Max 360		60 days		
Auto.Exp. (%)	0.08	Max 0.8	Heat of Hyration (cal/gr)	3 days		
Norm.Cousistency (%)	26.00					
Specific Gravity						