



**RK NORTHWEST REFINING & ENERGY COMPANY  
BITUMEN EVALUATION DEPARTMENT**

**Emulsion Bitumen CSS-1h**

Cationic Emulsified Asphalt		Test / Method		Acceptable range	
		ASTM	INSO	min	max
		D2397	12505-7		
1	Viscosity by SayboltFurol Viscometer@ 25°C,SFS	D7496	20644	20	100
2	Storage Stability@ 24hr,%	D6930	20637	-	1
3	Determine the particle load	D7402	20642	Positive	
4	Sieve Test,%	D6933	20638	-	0.1
5	Determining Cement Mixing,%	D6935	13581	-	2
6	Distillation				
6-1	distillation residue,%	D6997	13580	57	-
7	Test on distillation residue				
7-1	Penetration @ 25 °C ( 100 gr. 5s ),10 <sup>-1</sup> mm	D5	2950	40	90
7-2	Ductility @ 25 °C ( 5 cm/min ), Cm	D113	3866	40	-
7-3	Solubility in tri chloro ethylene, wt%	D7553	2953	97.5	-