

**Table 1002-4
Cationic Emulsified Asphalt (CRS-2, CMS-2, CSS-1 and CSS-1h)**

Test Method		Percent of Contract Unit Price												
		CRS-2			CMS-2			CSS-1			CSS-1h			
		Specifications		Deviations	Specifications		Deviations	Specifications		Deviations	Specifications		Deviations	
		100	80	50 or Remove ¹	100	80	50 or Remove ¹	100	80	50 or Remove ¹	100	80	50 or Remove ¹	
Viscosity,														
Saybolt Furol @ 50°C, s	AASHTO T 59	100-400	---	---	50-450	---	---	---	---	---	---	---	---	
Saybolt Furol @ 25°C, s	AASHTO T 59							20-100				20-100		
Residue by Distillation, % by wt.	AASHTO T 59	65+	61-64	60-	65+	61-64	60-	57+	52-56	51-		57+	52-56	51-
Oil Distillate by Volume, %	AASHTO T 59	3.0-	---	---	12.0-	---	---	---	---	---		---	---	---
Particle Charge	AASHTO T 59	Pos.	---	Neg.	Pos.	---	Neg.	Pos.	---	Neg.		Pos.	---	Neg.
Sieve Test														
(Retained on 850 µm), %	AASHTO T 59	0.1-	---	---	0.1-	---	---	0.1-	---	---		0.1-	---	---
Settlement, 5-days, %	AASHTO T 59	5.0-	---	---	5.0-	---	---	5.0-	---	---		5.0-	---	---
Tests on Residue by Distillation:														
Penetration, 25°C, 100 g, 5 s, dmm	AASHTO T 49	100-250	84-99	83-267+	100-250	84-99	83-267+	100-200	88-99	87-213+		40-90	30-39	29-101+
Solubility, %	AASHTO T 44	97.5+	---	---	97.5+	---	---	97.5+	---	---		97.5+	---	---
Ductility, 25°C, 5 cm/min, cm	AASHTO T 51	80+	66-79	65-	40+	26-39	25-	40+	26-39	25-		40+	26-39	25-
Viscosity, 135°C, Pa·s	AASHTO TP 48	0.18+	0.13-0.17	0.12-	---	---	---	---	---	---		---	---	---

¹At the option of the engineer.