

REPORT DATE: 4/30/04

**Average Specific Gravities 60/60°F,  
Pounds/Gallon at 60°F and Percent Residual  
for Approved Emulsions per Materials Division Policy for Acceptance**

Refinery	Units	CRS-2	PMCRS-2S <sup>1</sup>	CSS-2H	PMCSS-1H <sup>2</sup>	CSS-1	MS-2	NovaBond	SS-1
Koch Ardmore, Oklahoma	Spec. Grav Lbs/Gal. % Residual	1.0209 8.5026 68.7	1.0114 8.4233 71.4						1.0108 8.4183 61.8
Koch Catoosa, Oklahoma	Spec. Grav Lbs/Gal. % Residual	1.0136 8.4417 68.0	1.0150 8.4533 68.2	1.0450 8.7035 66.3	1.0310 8.5868 65.5				1.0165 8.4659 61.2
Koch Dodge City, Kansas	Spec. Grav Lbs/Gal. % Residual	1.0136 8.4417 65.5	1.0195 8.4919 72.3				1.0150 8.4533 68.4		1.0129 8.4359 59.1
Koch Lawton, Oklahoma	Spec. Grav Lbs/Gal. % Residual	1.0105 8.4156 65.6	1.0118 8.4266 69.2						1.0129 8.4358 62.4
Koch Saginaw, Texas	Spec. Grav Lbs/Gal. % Residual							1.0149 8.4525 70.3	
Koch Salina, Kansas	Spec. Grav Lbs/Gal. % Residual		1.0314 8.5901 65.3			1.0235 8.5243 65.0			
Vance Brothers Kansas City, Kansas	Spec. Grav Lbs/Gal. % Residual		1.0118 8.4266 72.3						1.0004 8.3317 66.8

Average Specific Gravity to be used on all ODOT projects  
from January 1, 2004, thru December 31, 2004.  
\*Koch @ Salina CSS-1 Revised April 30, 2004

Marcella Donovan  
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1. See Table 3C in 1999 Standard Specifications. CRS-2S should be shown as PMCRS-2S.
2. CSS-1HLM meets PMCSS-1H specifications and should be shown as PMCSS-1H.